

03500000 LITTLE TENNESSEE RIVER NEAR PRENTISS, NC

LOCATION.--Lat 35°09'00", long 83°22'47", Macon County, Hydrologic Unit 06010202, on left bank 600 ft upstream from Owenby Branch, 0.5 mi upstream from Cartoogechaye Creek, 2 mi north of Prentiss, and at mile 119.5.

DRAINAGE AREA.--140 mi².

PERIOD OF RECORD.--October 1943 to current year. Monthly discharge only for some periods, published in WSP 1306.

REVISED RECORDS.--WSP 1236: 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 2,008.39 ft above NGVD of 1929 (levels by Tennessee Valley Authority). Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred Aug. 30, 31, Sept. 16, 17, 2000.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in October 1898 reached a stage of about 15 ft, from profiles by Tennessee Valley Authority.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 542 | 282 | 752 | 487 | 375 | 510 | 676 | 474 | 375 | 521 | 553 | 782 |
| 2 | 502 | 303 | 589 | 472 | 373 | 458 | 838 | 426 | 802 | 503 | 498 | 651 |
| 3 | 474 | 607 | 525 | 462 | 553 | 433 | 734 | 406 | 592 | 456 | 472 | 577 |
| 4 | 442 | 877 | 486 | 450 | 462 | 416 | 642 | 392 | 504 | 540 | 447 | 527 |
| 5 | 422 | 650 | 454 | 447 | 417 | 407 | 585 | 383 | 435 | 540 | 473 | 492 |
| 6 | 405 | 470 | 680 | 439 | 396 | 387 | 545 | 377 | 403 | 466 | 483 | 464 |
| 7 | 392 | 414 | 1,100 | 428 | 381 | 383 | 585 | 364 | 511 | 1,390 | 635 | 443 |
| 8 | 379 | 382 | 906 | 465 | 374 | 574 | 819 | 354 | 763 | 1,050 | 801 | 427 |
| 9 | 372 | 357 | 1,120 | 429 | 372 | 450 | 771 | 345 | 619 | 742 | 652 | 410 |
| 10 | 365 | 342 | 1,210 | 416 | 361 | 421 | 635 | 379 | 629 | 920 | 573 | 396 |
| 11 | 354 | 345 | 926 | 407 | 345 | 402 | 580 | 387 | 676 | 1,310 | 521 | 384 |
| 12 | 352 | 886 | 786 | 401 | 340 | 388 | 553 | 345 | 1,350 | 2,220 | 477 | 373 |
| 13 | 388 | 706 | 706 | 545 | 344 | 375 | 681 | 342 | 2,420 | 1,360 | 525 | 362 |
| 14 | 350 | 535 | 643 | 1,030 | 412 | 379 | 694 | 339 | 1,310 | 1,070 | 641 | 352 |
| 15 | 340 | 470 | 607 | 619 | 401 | 361 | 593 | 392 | 989 | 1,360 | 510 | 342 |
| 16 | 327 | 437 | 569 | 540 | 371 | 413 | 548 | 361 | 823 | 990 | 472 | 372 |
| 17 | 319 | 411 | 546 | 495 | 354 | 418 | 518 | 330 | 720 | 870 | 499 | 350 |
| 18 | 317 | 392 | 526 | 458 | 335 | 388 | 497 | 318 | 694 | 771 | 563 | 328 |
| 19 | 357 | 377 | 506 | 439 | 327 | 369 | 477 | 311 | 784 | 782 | 664 | 318 |
| 20 | 346 | 368 | 479 | 430 | 347 | 359 | 461 | 970 | e750 | 709 | 542 | 310 |
| 21 | 320 | 355 | 466 | 419 | 704 | 349 | 448 | 716 | e650 | 654 | 477 | 304 |
| 22 | 313 | 352 | 459 | 406 | 776 | 374 | 508 | 515 | e550 | 613 | 455 | 297 |
| 23 | 308 | 378 | 1,420 | 391 | 544 | 754 | 606 | 444 | 511 | 600 | 534 | 293 |
| 24 | 311 | 809 | 954 | 377 | 563 | 543 | 484 | 404 | 481 | 548 | 692 | 286 |
| 25 | 305 | 833 | 745 | 378 | 496 | 466 | 451 | 377 | 456 | 522 | 498 | 279 |
| 26 | 299 | 597 | 662 | 374 | 453 | 432 | 441 | 359 | 446 | 494 | 453 | 303 |
| 27 | 296 | 528 | 605 | 362 | 430 | 443 | 448 | 344 | 603 | 470 | 427 | 304 |
| 28 | 298 | 548 | 569 | 350 | 597 | 1,220 | 419 | 334 | 626 | 478 | 407 | 282 |
| 29 | 297 | 478 | 545 | 393 | --- | 790 | 411 | 326 | 543 | 864 | 395 | 289 |
| 30 | 290 | 449 | 525 | 465 | --- | 631 | 515 | 334 | 482 | 712 | 1,610 | 278 |
| 31 | 285 | --- | 505 | 397 | --- | 701 | --- | 321 | --- | 573 | 1,320 | --- |
| TOTAL | 11,067 | 14,938 | 21,571 | 14,171 | 12,203 | 14,994 | 17,163 | 12,469 | 21,497 | 25,098 | 18,269 | 11,575 |
| MEAN | 357 | 498 | 696 | 457 | 436 | 484 | 572 | 402 | 717 | 810 | 589 | 386 |
| MAX | 542 | 886 | 1,420 | 1,030 | 776 | 1,220 | 838 | 970 | 2,420 | 2,220 | 1,610 | 782 |
| MIN | 285 | 282 | 454 | 350 | 327 | 349 | 411 | 311 | 375 | 456 | 395 | 278 |
| CFSM | 2.55 | 3.56 | 4.97 | 3.27 | 3.11 | 3.45 | 4.09 | 2.87 | 5.12 | 5.78 | 4.21 | 2.76 |
| IN. | 2.94 | 3.97 | 5.73 | 3.77 | 3.24 | 3.98 | 4.56 | 3.31 | 5.71 | 6.67 | 4.85 | 3.08 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2005, BY WATER YEAR (WY)

| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MEAN | 249 | 305 | 395 | 480 | 555 | 595 | 553 | 426 | 345 | 265 | 243 | 238 |
| MAX | 1,078 | 815 | 841 | 1,008 | 1,252 | 1,199 | 1,014 | 999 | 717 | 810 | 695 | 1,030 |
| (WY) | (1965) | (1980) | (1962) | (1946) | (1990) | (1952) | (1964) | (1976) | (2005) | (2005) | (1974) | (2004) |
| MIN | 70.5 | 101 | 153 | 120 | 222 | 244 | 172 | 157 | 110 | 94.8 | 78.3 | 80.2 |
| (WY) | (1955) | (1955) | (2001) | (1981) | (1986) | (1988) | (1986) | (1986) | (1988) | (1986) | (1986) | (1954) |

03500000 LITTLE TENNESSEE RIVER NEAR PRENTISS, NC—Continued

| SUMMARY STATISTICS | FOR 2004 CALENDAR YEAR | | FOR 2005 WATER YEAR | | WATER YEARS 1944 - 2005 | |
|--------------------------|------------------------|--------|---------------------|--------|-------------------------|--------------|
| ANNUAL TOTAL | 151,237 | | 195,015 | | 387 | |
| ANNUAL MEAN | 413 | | 534 | | 173 | |
| HIGHEST ANNUAL MEAN | | | | | 588 1949 | |
| LOWEST ANNUAL MEAN | | | | | 173 1986 | |
| HIGHEST DAILY MEAN | 7,830 | Sep 17 | 2,420 | Jun 13 | 7,830 | Sep 17, 2004 |
| LOWEST DAILY MEAN | 137 | Aug 19 | 278 | Sep 30 | 52 | Aug 30, 2000 |
| ANNUAL SEVEN-DAY MINIMUM | 144 | Aug 14 | 289 | Sep 24 | 58 | Sep 14, 2000 |
| MAXIMUM PEAK FLOW | | | 2,650 | Jun 13 | 12,200 | Oct 4, 1964 |
| MAXIMUM PEAK STAGE | | | 6.85 | Jun 13 | 17.30 | Oct 4, 1964 |
| INSTANTANEOUS LOW FLOW | | | 270 | Sep 30 | 52* | Sep 17, 1999 |
| ANNUAL RUNOFF (CFSM) | 2.95 | | 3.82 | | 2.76 | |
| ANNUAL RUNOFF (INCHES) | 40.19 | | 51.82 | | 37.54 | |
| 10 PERCENT EXCEEDS | 654 | | 794 | | 695 | |
| 50 PERCENT EXCEEDS | 324 | | 465 | | 309 | |
| 90 PERCENT EXCEEDS | 178 | | 334 | | 129 | |

* See REMARKS.

e Estimated.

