

11467295 South Fork Gualala River above Wheatfield Fork, near Annapolis, CA

Gualala River Basin

LOCATION.--Lat 38°41'39", long 123°24'33" referenced to North American Datum of 1927, in SW ¼ sec.15, T.10 N., R.14 W., Sonoma County, Hydrologic Unit 18010109, on right bank, 0.8 mi upstream of confluence with Wheatfield Fork Gualala River, and 2.9 mi southwest of Annapolis.

DRAINAGE AREA.--48.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 2000 to September 2001, October 2003 to May 31, 2006 (discontinued).

WATER TEMPERATURE: Water year 2001.

GAGE.--Water stage recorder. Elevation of gage is 75 ft above NGVD of 1929, from topographic map.

COOPERATION.--Records collected by the Gualala River Watershed Council by agreement with Sotoyome Resource Conservation District, under general supervision of the U. S. Geological Survey.

REMARKS.--No regulation or diversions above gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,200 ft³/s, Dec. 31, 2005, gage height, 19.12 ft, from rating curve extended above 4,000 ft³/s; no flow for parts of most years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and (or) maximum (*):

| Date | Time | Discharge (ft ³ /s) | Gage height (ft) |
|--------|------|-----------------------------------|---------------------|
| Dec 22 | 1615 | 4,420 | 12.36 |
| Dec 28 | 0915 | 8,400 | 15.83 |
| Dec 31 | 0630 | *10,200 | *19.12 |
| Feb 01 | 1615 | 3,660 | 11.77 |
| Feb 27 | 2100 | 4,730 | 13.06 |
| Mar 05 | 1730 | 5,470 | 13.89 |
| Mar 31 | 1600 | 3,870 | 12.02 |
| Apr 12 | 1115 | 5,920 | 14.43 |

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

[e, estimated]

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|--------------|-------|-------|--------|--------|--------|--------|--------|-----|-----|-----|-----|-----|
| 1 | 1.1 | 3.3 | 1,050 | 2,910 | e1,770 | 564 | 1,130 | 72 | --- | --- | --- | --- |
| 2 | 1.3 | 2.2 | 526 | 1,730 | 1,400 | 502 | 739 | 67 | --- | --- | --- | --- |
| 3 | 1.2 | 2.4 | 229 | 1,170 | 648 | 1,280 | 1,630 | 64 | --- | --- | --- | --- |
| 4 | 1.1 | 4.9 | 148 | 1,470 | 541 | 619 | 951 | 61 | --- | --- | --- | --- |
| 5 | 0.96 | 17 | 113 | 673 | 368 | 2,450 | 663 | 58 | --- | --- | --- | --- |
| 6 | 0.90 | 13 | 94 | 406 | 274 | 2,180 | 473 | 56 | --- | --- | --- | --- |
| 7 | 0.55 | 26 | 83 | 302 | 210 | 1,040 | 398 | 53 | --- | --- | --- | --- |
| 8 | 0.38 | 122 | 77 | 230 | 170 | 593 | 504 | 50 | --- | --- | --- | --- |
| 9 | 0.33 | 46 | 69 | 183 | 143 | 439 | 390 | 47 | --- | --- | --- | --- |
| 10 | 0.31 | 24 | 64 | 154 | 119 | 375 | 382 | 45 | --- | --- | --- | --- |
| 11 | 0.25 | 17 | 60 | 189 | 100 | 318 | 1,280 | 42 | --- | --- | --- | --- |
| 12 | 0.22 | 13 | 57 | 159 | 86 | 321 | 3,770 | 40 | --- | --- | --- | --- |
| 13 | 0.12 | 10 | 54 | 145 | 76 | 314 | 1,290 | 39 | --- | --- | --- | --- |
| 14 | 0.13 | 8.5 | 51 | 751 | 68 | 941 | 687 | 37 | --- | --- | --- | --- |
| 15 | 1.1 | 7.4 | 49 | 428 | 59 | 504 | 468 | 36 | --- | --- | --- | --- |
| 16 | 0.49 | 6.6 | 48 | 263 | 52 | 493 | 736 | 34 | --- | --- | --- | --- |
| 17 | 0.28 | 6.0 | 47 | 529 | 49 | 678 | 527 | 33 | --- | --- | --- | --- |
| 18 | 0.18 | 5.3 | 608 | 1,030 | 52 | 448 | 381 | 32 | --- | --- | --- | --- |
| 19 | 0.13 | 5.0 | 630 | 512 | 49 | 337 | 287 | 32 | --- | --- | --- | --- |
| 20 | 0.10 | 4.5 | 701 | e356 | 40 | 304 | 227 | 33 | --- | --- | --- | --- |
| 21 | 0.09 | 4.3 | 1,170 | e451 | 35 | 273 | 187 | 33 | --- | --- | --- | --- |
| 22 | 0.08 | 4.2 | 2,160 | e337 | 31 | 222 | 159 | 33 | --- | --- | --- | --- |
| 23 | 0.08 | 4.3 | 877 | e273 | 28 | 190 | 140 | 32 | --- | --- | --- | --- |
| 24 | 0.06 | 4.8 | 406 | e224 | 26 | 483 | 125 | 36 | --- | --- | --- | --- |
| 25 | 0.07 | 11 | 397 | e198 | 24 | 643 | 113 | 33 | --- | --- | --- | --- |
| 26 | 0.32 | 29 | 1,310 | e165 | 29 | 449 | 104 | 30 | --- | --- | --- | --- |
| 27 | 0.74 | 15 | 1,930 | e157 | 2,630 | 375 | 94 | 28 | --- | --- | --- | --- |
| 28 | 11 | 13 | 4,560 | e384 | 2,020 | 544 | 87 | 28 | --- | --- | --- | --- |
| 29 | 24 | 86 | 1,050 | e666 | --- | 832 | 82 | 27 | --- | --- | --- | --- |
| 30 | 11 | 56 | 2,440 | e1,340 | --- | 626 | 77 | 26 | --- | --- | --- | --- |
| 31 | 5.7 | --- | 5,760 | e802 | --- | 1,380 | --- | --- | --- | --- | --- | --- |
| Total | 64.27 | 571.7 | 26,818 | 18,587 | 11,097 | 20,717 | 18,081 | --- | --- | --- | --- | --- |
| Mean | 2.07 | 19.1 | 865 | 600 | 396 | 668 | 603 | --- | --- | --- | --- | --- |
| Max | 24 | 122 | 5,760 | 2,910 | 2,630 | 2,450 | 3,770 | --- | --- | --- | --- | --- |
| Min | 0.06 | 2.2 | 47 | 145 | 24 | 190 | 77 | --- | --- | --- | --- | --- |
| Ac-ft | 127 | 1,130 | 53,190 | 36,870 | 22,010 | 41,090 | 35,860 | --- | --- | --- | --- | --- |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2006, BY WATER YEAR (WY)

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Mean | 3.01 | 11.3 | 431 | 328 | 400 | 337 | 207 | 80.7 | 19.3 | 4.78 | 1.65 | 0.70 |
| Max | 5.39 | 19.1 | 865 | 600 | 633 | 668 | 603 | 224 | 50.9 | 11.1 | 4.35 | 2.10 |
| (WY) | (2005) | (2006) | (2006) | (2006) | (2004) | (2006) | (2006) | (2005) | (2005) | (2005) | (2005) | (2005) |
| Min | 1.56 | 6.25 | 8.53 | 74.4 | 247 | 96.2 | 18.9 | 6.18 | 3.14 | 1.56 | 0.09 | 0.00 |
| (WY) | (2004) | (2004) | (2001) | (2001) | (2005) | (2004) | (2001) | (2001) | (2001) | (2004) | (2001) | (2001) |

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SUMMARY STATISTICS

| | Calendar Year 2005 | | Water Years 2001 - 2006 | |
|---------------------------------|--------------------|--------|-------------------------|--------------|
| Annual total | 71,792.87 | | | |
| Annual mean | 197 | | 142 | |
| Highest annual mean | | | 151 | 2005 |
| Lowest annual mean | | | 134 | 2004 |
| Highest daily mean | 5,760 | Dec 31 | 5,760 | Dec 31, 2005 |
| Lowest daily mean | 0.06 | Oct 24 | 0.00 | Aug 20, 2001 |
| Annual seven-day minimum | 0.09 | Oct 19 | 0.00 | Aug 20, 2001 |
| Maximum peak flow | | | 10,200 | Dec 31, 2005 |
| Maximum peak stage | | | 19.12 | Dec 31, 2005 |
| Annual runoff (ac-ft) | 142,400 | | 103,100 | |
| 10 percent exceeds | 489 | | 377 | |
| 50 percent exceeds | 45 | | 21 | |
| 90 percent exceeds | 1.8 | | 0.57 | |

