

CHEHALIS RIVER BASIN

1

12037400 WYNOOCHEE RIVER ABOVE BLACK CREEK, NEAR MONTESANO, WA

LOCATION.--Lat 47°00'42", long 123°39'15", in SE 1/4 SE 1/4 sec.27. T.18 N., R.8 W., Grays Harbor County, Hydrologic Unit 17100104, on left bank 2,000 ft upstream from Black Creek, 3.5 mi northwest of Montesano, and at mile 5.9.

DRAINAGE AREA.--155 mi².

PERIOD OF RECORD.--October 1956 to current year.

REVISED RECORDS.--WSP 1932: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 40 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. City of Aberdeen diverted about 96 ft³/s for municipal supply at intake 2.2 mi upstream. Other small diversions for irrigation and domestic use. Since August 1972, flow regulated by Wynoochee Dam, 45.7 mi upstream, for flood control, during summer months to augment the natural river flow, and for the water supply for the City of Aberdeen. Some regulation from 1969 to August 1972 due to dam construction. Sediment records October 1961 to June 1965. Water temperatures October 1969 to September 1986. Tacoma Public Utilities satellite telemeter at station.

AVERAGE DISCHARGE.--16 years (water years 1957-72), 1,316 ft³/s, 953,600 acre-ft/yr, unregulated.
30 years (water years 1973-2002), 1,323 ft³/s, 958,300 acre-ft/yr, regulated.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,600 ft³/s Mar. 19, 1997, gage height, 20.21 ft; maximum gage height, 20.54 ft Dec. 10, 1956; minimum discharge, 3.0 ft³/s part or all of each day Aug. 26-30, 1967, gage height, 2.86 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,300 ft³/s Dec. 17, gage height, 14.89 ft; minimum discharge, 155 ft³/s Sept. 2, 5-8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 267 | 2180 | 5860 | 1300 | 2120 | 2220 | 713 | 639 | 751 | 775 | 323 | 158 |
| 2 | 261 | 2220 | 5680 | 1600 | 1860 | 1710 | 668 | 625 | 566 | 547 | 282 | 158 |
| 3 | 253 | 2040 | 3800 | 2150 | 1890 | 1310 | 647 | 599 | 522 | 473 | 314 | 167 |
| 4 | 249 | 1690 | 3340 | 2500 | 1840 | 1220 | 615 | 572 | 507 | 444 | 309 | 160 |
| 5 | 245 | 1380 | 3100 | 2450 | 1690 | 1170 | 603 | 598 | 615 | 422 | 311 | 157 |
| 6 | 243 | 1220 | 3070 | 3220 | 2310 | 1120 | 610 | 601 | 610 | 391 | 307 | 155 |
| 7 | 245 | 1100 | 2730 | 7370 | 3570 | 1080 | 626 | 576 | 588 | 372 | 294 | 155 |
| 8 | 253 | 1020 | 2620 | 8810 | 2900 | 1040 | 584 | 545 | 584 | 368 | 290 | 164 |
| 9 | 248 | 951 | 2520 | 7350 | 2260 | 949 | 632 | 524 | 523 | 351 | 283 | 195 |
| 10 | 294 | 895 | 2160 | 6150 | 1980 | 1110 | 989 | 549 | 408 | 337 | 288 | 169 |
| 11 | 362 | 854 | 2010 | 5140 | 1830 | 2810 | 1130 | 542 | 388 | 326 | e289 | 174 |
| 12 | 371 | 893 | 2070 | 3200 | 1630 | 3510 | 1560 | 523 | 373 | 321 | e292 | 184 |
| 13 | 537 | 1230 | 5740 | 2880 | 1500 | 2690 | 2700 | 521 | 364 | 308 | e300 | 182 |
| 14 | 529 | 6760 | 8440 | 2620 | 1390 | 2230 | 4240 | 553 | 356 | 304 | e308 | 178 |
| 15 | 470 | 7380 | 4980 | 2440 | 1320 | 1850 | 3560 | 607 | 355 | 299 | e308 | 182 |
| 16 | 413 | 4980 | 9550 | 2320 | 1290 | 1700 | 3010 | 662 | 346 | 294 | 307 | 227 |
| 17 | 380 | 3530 | 10500 | 2210 | 1250 | 1540 | 2510 | 673 | 370 | 301 | 304 | 250 |
| 18 | 358 | 2900 | 8450 | 2140 | 1240 | 1440 | 1950 | 612 | 544 | 310 | 279 | 205 |
| 19 | 409 | 2960 | 4830 | 2120 | 1470 | 1490 | 1600 | 507 | 568 | 314 | 259 | 194 |
| 20 | 405 | 4020 | 3590 | 2090 | 1480 | 1690 | 1410 | 506 | 531 | 309 | 243 | 195 |
| 21 | 415 | 5000 | 3470 | 2160 | 2930 | 1650 | 1260 | 479 | 428 | 306 | 224 | 186 |
| 22 | 808 | 6460 | 2810 | 2050 | 7700 | 1510 | 1150 | 473 | 382 | 315 | 217 | 180 |
| 23 | 1830 | 4860 | 2580 | 1650 | 5470 | 1390 | 1030 | 461 | 356 | 321 | 210 | 176 |
| 24 | 1770 | 3400 | 2410 | 3780 | 4210 | 1300 | 930 | 448 | 332 | 327 | 197 | 173 |
| 25 | 2920 | 2880 | 2280 | 7420 | 4860 | 1210 | 861 | 442 | 318 | 341 | 188 | 173 |
| 26 | 2610 | 2610 | 2180 | 4420 | 2880 | 1130 | 836 | 440 | 309 | 345 | 180 | 171 |
| 27 | 2390 | 2440 | 2060 | 2690 | 2530 | 1100 | 827 | 441 | 311 | 343 | 175 | 173 |
| 28 | 2180 | 2820 | 1660 | 2080 | 2340 | 1040 | 762 | 548 | 368 | 340 | 169 | 172 |
| 29 | 1950 | 4200 | 1370 | 1770 | --- | 873 | 708 | 1680 | 1770 | 337 | 162 | 172 |
| 30 | 1850 | 3830 | 1210 | 1790 | --- | 796 | 673 | 1240 | 1190 | 329 | 158 | 170 |
| 31 | 2140 | --- | 1240 | 2400 | --- | 760 | --- | 899 | --- | 325 | 158 | --- |
| TOTAL | 27655 | 88703 | 118310 | 102270 | 69740 | 46638 | 39394 | 19085 | 15633 | 11195 | 7928 | 5355 |
| MEAN | 892 | 2957 | 3816 | 3299 | 2491 | 1504 | 1313 | 616 | 521 | 361 | 256 | 178 |
| MAX | 2920 | 7380 | 10500 | 8810 | 7700 | 3510 | 4240 | 1680 | 1770 | 775 | 323 | 250 |
| MIN | 243 | 854 | 1210 | 1300 | 1240 | 760 | 584 | 440 | 309 | 294 | 158 | 155 |
| AC-FT | 54850 | 175900 | 234700 | 202900 | 138300 | 92510 | 78140 | 37860 | 31010 | 22210 | 15730 | 10620 |

e Estimated