14231900 CISPUS RIVER ABOVE YELLOWJACKET CREEK, NEAR RANDLE, WA

Lower Columbia Basin
Upper Cowlitz Subbasin

LOCATION.--Lat 46°26′38″, long 121°50′28″ referenced to North American Datum of 1927, in NE ¼ sec.18, T.11 N., R.8 E., Lewis County, WA, Hydrologic Unit 17080004, (unsurveyed), Gifford Pinchot National Forest, on right bank 600 ft downstream from Forest Service Road 28 bridge, 2.5 mi downstream from North Fork, 8.5 mi southeast of Randle, and at mile 17.4.

DRAINAGE AREA.--250 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,260 ft above NGVD of 1929.

REMARKS.--Records poor, except the periods April 25 to June 17 and Aug. 10 to Sept. 30 which are fair. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--11 years (water years 1996-2006), 1,007 ft^3/s, 54.70 in/yr, 729,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,800 ft^3/s, Jan. 31, 2003, gage height, 9.50 ft, from floodmarks, result of slope-area measurement; minimum daily discharge, 165 ft^3/s, Oct. 31, Nov. 1,2, 2003.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 8, 1996, reached stage of 12.50 ft, discharge from floodmarks 24,600 ft^3/s, by slope-area measurement made about 7 mi downstream near Forest Service Road 25 bridge, adjusted for flow from intervening area.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 11	0315	*6,440	*6.47
No other peak greater than base discharge			

Minimum daily discharge, 190 ft^3/s, Oct 12.

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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	e545	882	e560	2,220	2,260	e850	e691	2,060	2,380	1,130	e386	331
2	e414	809	e540	1,890	2,150	e818	e714	1,800	2,890	1,070	e394	333
3	e322	673	e520	1,610	2,030	e779	e746	1,660	2,820	1,030	e421	342
4	e266	662	e510	1,400	2,260	e748	e789	1,630	2,830	1,040	e429	346
5	e238	608	e480	1,260	2,070	e736	e773	1,660	2,910	1,000	e446	354
6	e208	687	e470	1,430	1,920	e727	e790	1,720	2,630	917	e446	351
7	e272	600	e450	1,700	e1,720	e707	e788	1,700	2,480	809	e486	339
8	e251	514	e420	1,640	e1,540	e745	e888	1,670	2,340	742	e507	339
9	e222	468	e404	1,630	e1,400	e730	1,020	1,540	2,070	743	e474	332
10	e204	467	e424	4,550	e1,320	e698	1,050	1,500	1,900	759	471	313
11	e201	543	e487	5,550	e1,220	e669	1,010	1,590	1,810	717	446	317
12	e190	542	e518	3,860	e1,120	e640	1,000	1,650	1,970	692	432	316
13	e250	565	e487	3,360	e1,060	e630	1,050	1,600	2,440	719	420	308
14	e213	751	e464	2,940	e997	e611	1,230	1,630	2,180	e660	426	302
15	e213	689	e448	2,360	e902	e601	1,330	1,950	2,040	e590	429	299
16	e223	642	e423	1,970	e818	e592	1,270	2,710	1,970	e560	424	296
17	e316	607	e391	e2,550	e735	e573	1,140	3,480	1,910	e540	418	290
18	e286	596	e343	e2,350	e723	e544	1,040	3,960	1,680	e520	411	305
19	e320	626	e383	e2,080	e712	e534	992	3,940	1,580	e510	410	310
20	e480	699	e552	e1,870	e712	e515	1,050	3,630	1,490	e490	406	297
21	e365	711	e842	e1,650	e688	e496	1,260	3,140	1,440	e527	407	326
22	e334	694	1,670	e1,470	e700	e496	1,290	3,040	1,390	e622	408	306
23	e315	665	2,040	e1,320	e700	e496	1,270	3,000	1,330	e600	396	290
24	e297	634	2,530	e1,210	e676	e536	1,310	2,970	1,310	e588	388	290
25	e303	e670	2,370	1,170	e664	e556	1,290	2,680	1,380	e560	374	281
26	e346	e650	2,250	1,150	e657	e527	1,380	2,430	1,470	e540	368	276
27	e322	e630	2,190	1,080	e763	e546	1,420	2,250	1,470	e530	370	274
28	e322	e610	2,580	1,110	e890	e549	1,680	2,520	1,370	e500	376	274
29	e327	e590	2,490	1,080	---	e572	2,210	2,590	1,190	e480	384	271
30	e340	e580	2,160	2,400	---	e588	2,330	2,320	1,110	e422	365	269
31	663	---	2,330	2,550	---	e623	---	2,190	---	e395	334	---
Total	9,568	19,064	32,726	64,410	33,407	19,432	34,801	72,210	57,780	21,002	12,852	9,277
Mean	309	635	1,056	2,078	1,193	627	1,160	2,329	1,926	677	415	309
Max	663	882	2,580	5,550	2,260	850	2,330	3,960	2,910	1,130	507	354
Min	190	467	343	1,080	657	496	691	1,500	1,110	395	334	269
Ac-ft	18,980	37,810	64,910	127,800	66,260	38,540	69,030	143,200	114,600	41,660	25,490	18,400
Cfsm	1.23	2.54	4.22	8.31	4.77	2.51	4.64	9.32	7.70	2.71	1.66	1.24
In.	1.42	2.84	4.87	9.58	4.97	2.89	5.18	10.74	8.60	3.13	1.91	1.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	467	857	1,049	1,343	961	985	1,249	1,802	1,647	854	491	382
Max	1,172	1,720	1,763	2,322	1,548	1,675	1,756	2,865	2,814	1,869	836	583
(WY)	(1998)	(2000)	(1999)	(1997)	(2003)	(2003)	(1997)	(1997)	(1999)	(1999)	(1999)	(1997)
Min	247	340	369	426	414	574	785	1,162	722	478	347	236
(WY)	(2003)	(2003)	(2001)	(2001)	(2001)	(2001)	(2001)	(2005)	(2005)	(2005)	(2003)	(2005)

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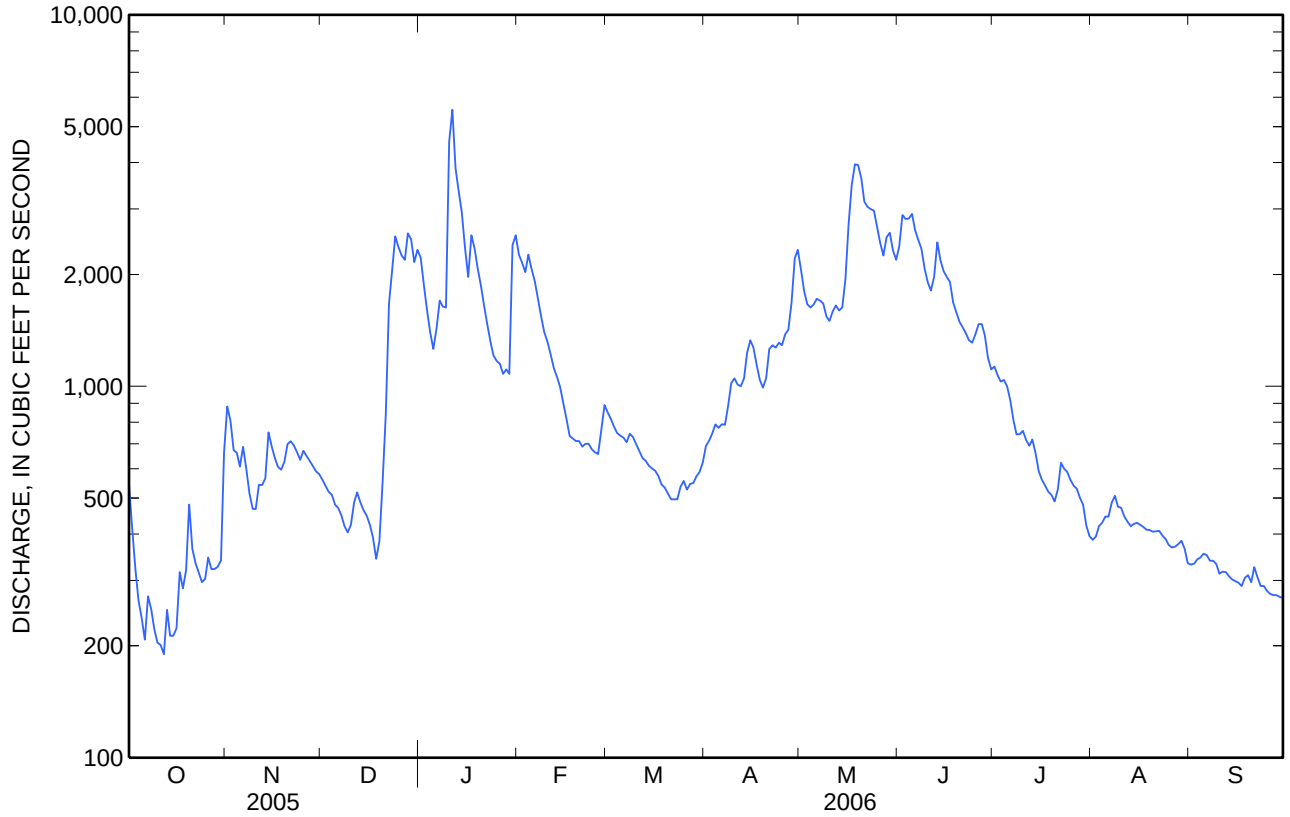
SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1996 - 2006	
Annual total	258,721		386,529			
Annual mean	709		1,059		1,007	
Highest annual mean					1,381	1997
Lowest annual mean					580	2001
Highest daily mean	3,270	Jan 19	5,550	Jan 11	9,800	Jan 31, 2003
Lowest daily mean	176	Sep 23	190	Oct 12	165	Oct 31, 2002
Annual seven-day minimum	196	Sep 20	213	Oct 9	177	Oct 28, 2002
Annual runoff (ac-ft)	513,200		766,700		729,200	
Annual runoff (cfsm)	2.84		4.24		4.03	
Annual runoff (inches)	38.50		57.52		54.70	
10 percent exceeds	1,310		2,330		1,900	
50 percent exceeds	543		698		808	
90 percent exceeds	272		316		335