14231900 CISPUS RIVER ABOVE YELLOWJACKET CREEK, NEAR RANDLE, WA

LOCATION.--Lat 46°26'38", long 121°50'28", in NE¼, sec.18, T.11 N., R.8 E., (unsurveyed), Lewis County, Hydrologic Unit 17080004, 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.

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 fair, except estimated daily discharges, which are poor. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--9 years (water years 1996-2004), 1,033 ft^3/s, 56.12 in/yr, 748,000 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 maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 30	0515	*3,350	*4.78				

Minimum daily discharge, 213 ft^3/s, Oct. 11.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e310	e435	946	562	1,860	642	1,150	1,520	1,850	966	e516	e440
2	e296	e416	931	546	1,530	630	1,080	1,690	1,690	928	e529	e418
3	e282	e388	1,300	539	1,330	622	1,090	1,910	1,640	898	e492	e389
4	e268	e332	1,200	525	1,200	655	1,140	1,900	1,700	885	e445	e411
5	e241	e322	1,260	520	1,100	652	1,180	1,800	1,730	831	e418	e396
6	e234	e313	1,600	520	1,040	657	1,180	1,570	1,790	823	e428	e375
7	e303	e294	1,380	520	993	688	1,220	1,470	1,640	855	e592	e368
8	e275	e303	1,180	538	933	805	1,230	1,480	1,690	750	e434	e368
9	e372	e303	1,060	587	876	979	1,270	1,430	1,620	732	e412	e346
10	e255	e343	980	648	836	1,040	1,320	1,360	1,590	704	e412	e346
11	e213	e716	897	652	801	1,030	1,420	1,290	1,530	676	e424	e597
12	e481	e543	866	654	762	1,000	1,590	1,230	1,410	703	e425	e541
13	e640	e548	935	684	752	972	1,690	1,190	1,420	696	e438	e539
14	e322	e548	926	778	729	947	1,620	1,170	1,440	693	e456	e639
15	e247	e547	847	1,050	714	937	1,480	1,200	1,340	705	e430	e612
16	e550	e554	807	1,280	719	912	1,350	1,220	1,290	694	e473	e595
17	e796	e564	778	1,190	729	942	1,300	1,200	1,290	679	e460	e643
18	e593	e671	735	1,130	808	989	1,190	1,250	1,320	659	e434	e722
19	e521	1,230	713	1,090	822	988	1,160	1,560	1,280	685	e434	e726
20	e543	984	707	1,040	785	936	1,130	1,490	1,220	661	e425	e671
21	e1,060	786	730	974	749	905	1,090	1,520	1,210	622	e408	e614
22	e648	656	703	926	719	959	1,040	1,530	1,240	607	e601	e585
23	e522	608	692	982	696	1,110	1,050	1,550	1,270	630	e563	e534
24	e427	585	721	1,070	675	1,180	1,060	1,390	1,300	e618	e628	e503
25	e406	580	722	1,040	670	1,210	1,080	1,320	1,250	e611	959	e476
26	e417	571	676	988	653	1,210	1,170	1,770	1,180	e594	827	e439
27	e406	537	656	939	668	1,200	1,400	2,550	1,120	e590	705	e407
28	e669	541	664	992	674	1,210	1,510	2,770	1,050	e620	e589	e412
29	e942	874	611	1,790	663	1,180	1,400	2,450	1,020	e590	e541	e394
30	e523	929	564	3,060	---	1,250	1,380	2,220	994	e573	e483	e367
31	e435	---	571	2,410	---	1,210	---	2,120	---	e536	e462	---
TOTAL	14,197	17,021	27,358	30,224	25,486	29,647	37,970	50,120	42,114	21,814	15,843	14,873
MEAN	458	567	883	975	879	956	1,266	1,617	1,404	704	511	496
MAX	1,060	1,230	1,600	3,060	1,860	1,250	1,690	2,770	1,850	966	959	726
MIN	213	294	564	520	653	622	1,040	1,170	994	536	408	346
AC-FT	28,160	33,760	54,260	59,950	50,550	58,800	75,310	99,410	83,530	43,270	31,420	29,500
CFSM	1.83	2.27	3.53	3.90	3.52	3.83	5.06	6.47	5.62	2.81	2.04	1.98
IN.	2.11	2.53	4.07	4.50	3.79	4.41	5.65	7.46	6.27	3.25	2.36	2.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	479	890	1,042	1,282	977	1,073	1,267	1,816	1,728	923	516	406
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	1,278	889	500	347	274
(WY)	(2003)	(2003)	(2001)	(2001)	(2001)	(2001)	(2001)	(2003)	(2001)	(2001)	(2003)	(2001)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	352,150		326,667			
ANNUAL MEAN	965		893		1,033	
HIGHEST ANNUAL MEAN					1,381	1997
LOWEST ANNUAL MEAN					580	2001
HIGHEST DAILY MEAN	9,800	Jan 31	3,060	Jan 30	9,800	Jan 31, 2003
LOWEST DAILY MEAN	213	Oct 11	213	Oct 11	165	Oct 31, 2002
ANNUAL SEVEN-DAY MINIMUM	254	Sep 16	270	Oct 5	177	Oct 28, 2002
ANNUAL RUNOFF (AC-FT)	698,500		647,900		748,000	
ANNUAL RUNOFF (CFSM)	3.86		3.57		4.13	
ANNUAL RUNOFF (INCHES)	52.40		48.61		56.12	
10 PERCENT EXCEEDS	1,630		1,510		1,900	
50 PERCENT EXCEEDS	823		751		848	
90 PERCENT EXCEEDS	308		412		340	

e Estimated