REACH	METHOD	RECOMMENDED INSTREAM FLOW/ FLOW OBJECTIVES (cfs)											
		Spring				Summer				Winter			
		March	April	May	June	July	August	September	October	November	December	January	February
Keechelus Dam to Lk. Easton	IFTAG Recommended (1984)	125	125	125	100	100	100	125	125	100	100	100	125
	IFTAG Optimal (1984)	150	125	125	75	75	75	125	125	100	100	75	150
	USFWS (1981)(abv. Kachess R.)	175	425	750	640	150	150	170	260	135	125	150	175
	Interim Operating Plan (2002) (Keechelus Outflow to Crystal Springs)							60 - 100 cfs, Sept. 1 - Oct. 20					
	Interim Operating Plan (2002) (Keechelus Outflow to Crystal Springs)	15 - 100							15 - 100 cfs, Oct. 21 - March 31				
	Interim Operating Plan (2002) (Crystal Springs to Lk. Easton)							60 - 100 cfs, Sept. 1 - Oct. 20					
	Interim Operating Plan (2002) (Crystal Springs to Lk. Easton)	30 - 100							30 - 100 cfs, Oct. 21 - March 31				
	U.S. Bureau of Reclamation (2008)	No recommended flows for this reach.											
	Hubble White Paper (2010)	No recommended flows for this reach.											
Kachess River		Not summarized as reach is lesser priority											
Easton Reach	IFTAG Recommended (1984) (Easton Dam to Cle Elum R)	275	275	275	225	225	225	400	400	350	350	275	275
	IFTAG Optimal (1984)	250	250	250	225	225	250	250	400	250	250	250	250
	USFWS (1981)(blw. Easton Dam)	275	845	1465	1215	250	250	220	375	375	375	300	275
	Interim Operating Plan (2002)							150 - 300 cfs, Sept. 10 - Oct. 20					
	Interim Operating Plan (2002)	80 - 300							80 - 300 cfs, Oct. 21 - March 31				
	U.S. Bureau of Reclamation (2008)	722	1166	1400	787	450	375	375	375	425	450	450	450
	Hubble White Paper (2010)	600	970	1165	665	450	375	375	375	425	450	450	450
Cle Elum River	IFTAG Recommended (1984)	250	225	225	150	150	150	250	250	250	250	250	250
	IFTAG Optimal (1984)	250	200	200	150	150	150	150	150	150	150	150	250
	USFWS (1981) (at mouth)	250	1235	2570	2375	150	150	150	250	200	200	200	250
	Interim Operating Plan (2002)							150 - 650 cfs, Sept. 10 - Oct. 20					
	Interim Operating Plan (2002)	60 - 300							60 - 300 cfs, Oct. 21 - March 31				
	U.S. Bureau of Reclamation (2008)	511	954	1500	1301	589	400	400	400	425	425	425	425
	Hubble White Paper (2010)	430	805	1265	1095	495	400	400	400	425	425	425	425
Cle Elum to Teanaway River	IFTAG Recommended (1984)	500	500	500	600	600	600	650	650	600	600	525	525
	IFTAG Optimal (1984)	600	800	800	800	800	800	600	550	800	800	800	600
	USFWS (1981) (abv. Teanaway River)	740	2450	4385	3780	450	470	550	550	600	675	700	700
	Interim Operating Plan (2002)							400 - 800 cfs, Sept. 10 - Oct. 20					
	Interim Operating Plan (2002)	200 - 325							200 - 325 cfs, Oct. 21 - March 31				
	U.S. Bureau of Reclamation (2008)	No recommended flows for this reach.											
	Hubble White Paper (2010)	No recommended flows for this reach.											
Teanaway River	USFWS (1981) (at mouth)	150	785	1,800	485	65	65	30	60	150	150	100	150
Teanaway to Roza Dam	IFTAG Recommended (1984) (Wilson Crk to Roza Dam)	900	750	750	750	750	750	750	1000	1000	750	750	900
	IFTAG Optimal (1984)	900	750	750	750	750	750	750	900	900	750	750	900
	USFWS (1981) (abv. Roza Dam)	1000	4100	7000	5400	1000	900	825	950	950	1000	1000	1000
	Interim Operating Plan (2002)	No recommended flows for this reach.											
	U.S. Bureau of Reclamation (2008) (used Ellensburg Reach recommended flows)	1982	2424	3700	2586	2000	1000	1000	1000	980	1016	1257	1459
	Hubble White Paper (2010) (used Ellensburg Reach recommended flows)	1980	2425	3700	2590	2000	1000	1000	1000	980	1015	1255	1460
Manastash Creek	USFWS (1981) (at mouth)	43	135	240	215	55	25	20	20	25	35	30	35
Roza - Naches	IFTAG Recommended (1984)	900	1000	1000	1300	1300	1300	1000	800	800	1000	1000	900
	IFTAG Optimal (1984)	1100	1200	1200	1300	1300	1300	1200	800	800	1200	1200	800
	USFWS (1981) (abv. Naches)	900	4100	7000	5400	1000	865	785	900	900	1000	1000	900
	Interim Operating Plan (2002)					200 - 300 cfs, July 1 - Oct. 20							
	Interim Operating Plan (2002)	300 - 400							300 - 400 cfs, Oct. 21 - March 31				
	Interim Operating Plan (2002)	300 - 600							300 - 600 cfs, Oct. 21 - March 15				
	U.S. Bureau of Reclamation (2008)	No recommended flows for this reach.											
	Hubble White Paper (2010)	No recommended flows for this reach.											
Wenas Creek	USFWS (1981) (at mouth)	16	50	85	75	20	9	8	7	9	12	11	13
Bumping Dam - Lower Naches	IFTAG Recommended (1984) (Bumping River)	200	200	200	100	100	150	150	150	150	150	150	150
	IFTAG Optimal (1984)	150	100	100	100	100	100	100	100	100	100	100	150
	USFWS (1981) (blw. Bumping Dam)	200	300	730	795	100	90	75	115	195	200	150	200
	Interim Operating Plan (2002) (Dam to American River)	50 - 120							50 - 120 cfs, Oct. 21 - March 31				
	U.S. Bureau of Reclamation (2008)	No recommended flows for this reach.											
	Hubble White Paper (2010)	No recommended flows for this reach.											

REACH	METHOD	RECOMMENDED INSTREAM FLOW/ FLOW OBJECTIVES (cfs)											
		Spring				Summer				Winter			
		March	April	May	June	July	August	September	October	November	December	January	February
Tieton River	IFTAG Recommended (1984) (Lower Tieton River)	125	125	125	200	200	150	150	200	200	200	200	125
	IFTAG Optimal (1984) (Lower Tieton River)	125	125	125	275	275	175	125	275	275	275	275	125
	USFWS (1981) (at mouth)	150	725	1230	1240	200	125	250	250	200	200	200	150
	Interim Operating Plan (2002)	15 - 50							15 - 50 cfs, Oct. 21 - March 31				
	U.S. Bureau of Reclamation (2008)	No recommended flows for this reach.											
	Hubble White Paper (2010)	No recommended flows for this reach.											
Lower Naches River	IFTAG Recommended (1984) IFTAG Optimal (1984)	No recommended flows for this reach.											
	USFWS (1981) (at mouth)	400	2065	3790	3655	400	400	500	500	400	400	400	400
	Interim Operating Plan (2002)	Recommended IOP flows no longer applicable - were for Wapatox Powerplant.											
	U.S. Bureau of Reclamation (2008)	1265	1802	2297	2291	988	550	550	550	500	576	691	720
	Hubble White Paper (2010)	1265	1800	2295	2290	990	550	550	550	500	575	690	720
Yakima River from Naches River to Parker	IFTAG Recommended (1984) IFTAG Optimal (1984)	No recommended flows for this reach.											
	USFWS (1981) (abv. Sunnyside Dam)	820	5900	11150	8510	955	955	965	1455	1420	920	920	820
	Interim Operating Plan (2002)	No recommended flows for this reach.											
	U.S. Bureau of Reclamation (2008)	No recommended flows for this reach.											
	Hubble White Paper (2010)	No recommended flows for this reach.											
Ahtanum Creek	USFWS (1981) (at mouth)	50	215	355	300	20	20	20	20	20	20	20	50
Yakima River from Parker to Toppenish Creek (Wapato Reach)	IFTAG Recommended (1984) (Sunnyside Dam - Marion Drain)	700	800	800	800	800	800	800	700	700	700	700	600
	IFTAG Optimal (1984)	800	800	800	900	900	900	900	800	800	900	900	600
	USFWS (1981) (avb. Toppenish)	820	5900	11150	8510	955	955	965	1455	1429	920	920	820
	Interim Operating Plan (2002)	-	Title XII Legislative Target Flows, varies between 300 and 600 cfs depending on the total water supply available (TWSA), Apr. 1 - Oct. 31.							-	-	-	-
	U.S. Bureau of Reclamation (2008)	3109	2794	3500	2655	1300	1300	1300	1300	1758	1854	2163	2460
	Hubble White Paper (2010)	3110	2795	3500	2655	1300	1300	1300	1300	1760	1855	2165	2460
Yakima River between Toppenish Creek and Prosser Dam	IFTAG Recommended (1984) IFTAG Optimal (1984)	No recommended flows for this reach.											
	USFWS (1981) (abv. Prosser)	1000	5900	11700	8750	1000	1000	1000	1500	1500	1000	1000	1000
	Interim Operating Plan (2002)	–	Title XII Legislative Target Flows, varies between 300 and 600 cfs depending on the total water supply available (TWSA), Apr. 1 - Oct. 31.							–	–	–	–
	U.S. Bureau of Reclamation (2008)(Wapato Reach)	3109	2794	3500	2655	1300	1300	1300	1300	1758	1854	2163	2460
	Hubble White Paper (2010)	No recommended flows for this reach.											
Yakima River - Chandler Reach	IFTAG Recommended (1984) (Prosser Dam - Chandler PH)	800	700	700	800	800	800	800	1000	1000	800	800	800
	IFTAG Optimal (1984)	1400	750	750	750	750	750	750	1000	1000	1400	1400	1400
	USFWS (1981) (abv. Kiona Canal)	1000	5800	9800	7900	1000	1000	1000	1500	1500	1000	1000	1000
	Interim Operating Plan (2002)		1000 cfs, Apr. 1 - June 30			Subordination flows of 450 cfs or Title XII flows, whichever is greater, July 1 - Oct. 31							
	U.S. Bureau of Reclamation (2008)	No recommended flows for this reach.											
	Hubble White Paper (2010)	No recommended flows for this reach.											
Lower Yakima River (Chandler Powerplant to mouth)	IFTAG Recommended (1984) (blw. Horn Rapids Dam)	900	800	800	800	800	800	900	1300	1300	900	900	900
	IFTAG Optimal (1984)	1000	1000	1000	1000	1000	1000	1000	1500	1500	1000	1000	1000
	USFWS (1981) (at mouth)	1000	5800	9800	7900	1000	1000	1000	1400	1400	1000	1000	1000
	Interim Operating Plan (2002)	No recommended flows for this reach.											
	U.S. Bureau of Reclamation (2008)	No recommended flows for this reach.											
	Hubble White Paper (2010)	No recommended flows for this reach.											

Sources: Instream Flow Technical Advisory Group (IFTAG) 1984
U.S. Fish & Wildlife Service (need reference and date)
Interim Comprehensive Operating Plan for the Yakima Project Washington.
U.S. Department of Interior, U.S. Bureau of Reclamation, November, 2002
Planning Report/EIS Yakima River Basin Water Storage Feasibility Study
Yakima Project Washington, U.S Bureau of Reclamation January 2008
Discussion on Biologically Based Flows For The Determination Of Average
Water Year Instream Flow Demand For The Yakima River Basin Study, Hubble,
U.S. Bureau of Reclamation, Undated (Received April 2010)