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Streamflow Forecast Summary: January 1, 2017
(averages based on 1981-2010 reference period)

Spokane	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
Spokane R nr Post Falls[2]								
	APR-JUL	1320	1860	2220	93%	2590	3130	2390
	APR-SEP	1380	1930	2300	93%	2670	3220	2480
Spokane R at Long Lake[2]								
	APR-JUL	1470	2080	2500	95%	2910	3520	2620
	APR-SEP	1650	2280	2700	95%	3130	3760	2850
Chamokane Ck nr Long Lake								
	MAY-AUG	6.6	8.6	10	108%	11.3	13.4	9.3

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2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average

Pend Oreille Basins	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
Pend Oreille Lake Inflow[2]								
	APR-JUL	10100	11800	12900	109%	14100	15800	11800
	APR-SEP	11100	12900	14100	110%	15300	17000	12800
Priest R nr Priest River[2]								
	APR-JUL	665	805	900	115%	995	1140	780
	APR-SEP	700	850	950	114%	1050	1200	830
Pend Oreille R bl Box Canyon[2]								
	APR-JUL	10200	11900	13100	110%	14200	16000	11900
	APR-SEP	11300	13100	14300	110%	15500	17300	13000

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Upper Columbia Basins	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
Kettle R nr Laurier								
	APR-JUL	1000	1330	1560	87%	1790	2120	1800
	APR-SEP	1020	1370	1610	86%	1850	2200	1880
Colville R at Kettle Falls								
	APR-JUL	0.54	46	78	66%	109	155	119
	APR-SEP	34	52	86	66%	120	171	131
Columbia R at Grand Coulee[1,2]								
	APR-JUL	42200		48500	95%		57100	51015
	APR-SEP	50200		57700	96%		67600	60110
Similkameen R nr Nighthawk[1]								
	APR-JUL	775	1000	1160	97%	1320	1550	1200
	APR-SEP	810	1050	1220	95%	1390	1630	1280
Okanogan R nr Tonasket[1]								
	APR-JUL	700	1030	1260	85%	1480	1810	1480
	APR-SEP	760	1130	1380	84%	1630	2000	1650
Okanogan R at Malott[1]								
	APR-JUL	700	1050	1280	88%	1510	1860	1450
	APR-SEP	755	1140	1400	86%	1660	2040	1620
Methow R nr Pateros								
	APR-JUL	505	700	830	99%	960	1150	835
	APR-SEP	545	750	890	99%	1030	1230	895

Columbia R at Birchbank[1,2]

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Central Columbia Basins	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Stehekin R at Stehekin								
	APR-JUL	510	605	670	99%	735	835	680
	APR-SEP	595	705	775	98%	850	955	790
Chelan R at Chelan								
	APR-JUL	720	865	965	97%	1060	1200	1000
	APR-SEP	790	955	1070	96%	1180	1350	1120
Entiat R nr Ardenvoir								
	APR-JUL	134	172	199	100%	225	265	200
	APR-SEP	144	187	215	98%	245	290	220
Wenatchee R at Plain								
	APR-JUL	705	875	990	100%	1110	1280	990
	APR-SEP	760	950	1080	100%	1210	1400	1080
Icicle Ck nr Leavenworth								
	APR-JUL	192	240	275	100%	305	355	275
	APR-SEP	210	260	295	98%	330	385	300
Wenatchee R at Peshastin								
	APR-JUL	985	1210	1360	99%	1510	1730	1370
	APR-SEP	1050	1300	1470	99%	1630	1880	1490
Columbia R bl Rock Island Dam[2]								
	APR-JUL	46200		53000	95%		62700	55772
	APR-SEP	54000		62900	96%		73500	65202

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Upper Yakima River	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Keechelus Reservoir Inflow[2]								
	APR-JUL	69	95	113	97%	130	157	116
	APR-SEP	77	104	123	98%	141	168	126
Kachess Reservoir Inflow [2]								
	APR-JUL	60	84	100	96%	116	139	104
	APR-SEP	68	92	108	96%	124	147	113
Cle Elum Lake Inflow [2]								
	APR-JUL	250	320	370	96%	415	490	385
	APR-SEP	270	345	400	96%	450	525	415
Yakima R at Cle Elum [2]								
	APR-JUL	440	600	710	94%	815	975	755
	APR-SEP	495	665	780	94%	890	1060	830
Teanaway R bl Forks nr Cle Elum								
	APR-JUL	58	96	122	94%	148	186	130
	APR-SEP	60	99	125	94%	151	189	133

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Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

Lower Yakima River	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Bumping Lake Inflow [2]								
	APR-JUL	75	97	112	98%	128	150	114
	APR-SEP	81	105	122	99%	139	163	123
American R nr Nile								
	APR-JUL	67	87	101	99%	115	135	102
	APR-SEP	71	94	109	99%	124	147	110
Rimrock Lake Inflow [2]								
	APR-JUL	129	162	183	98%	205	240	187
	APR-SEP	153	191	215	98%	240	280	220
Naches R nr Naches								
	APR-JUL	420	585	700	100%	815	980	700
	APR-SEP	455	640	765	101%	890	1070	760
Ahtanum Ck at Union Gap								
	APR-JUL	6.6	17.4	25	93%	32	43	27
	APR-SEP	8.4	19.4	27	93%	34	45	29
Yakima R nr Parker [2]								
	APR-JUL	980	1360	1610	97%	1870	2250	1660
	APR-SEP	1080	1490	1760	97%	2040	2450	1820
Klickitat R nr Glenwood								
	APR-JUL	68	100	121	96%	142	173	126
	APR-SEP	77	111	133	96%	156	190	139
Klickitat R nr Pitt								
	APR-JUL	280	370	435	100%	500	595	435
	APR-SEP	345	450	525	101%	595	705	520

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Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

Walla Walla River	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
SF Walla Wall R nr Milton-Freewater								
	MAR-SEP	71	81	89	111%	96	106	80
	APR-JUL	45	54	61	113%	67	76	54
	APR-SEP	58	67	74	112%	80	90	66
Mill Ck nr Walla Walla								
	APR-JUL	18.9	23	26	108%	29	33	24
	APR-SEP	22	26	29	107%	32	36	27

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Forecast Exceedance Probabilities for Risk Assessment
Chance that actual volume will exceed forecast

Lower Snake, Grande Ronde, Clearwater Basins	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Grande Ronde R at Troy								
	MAR-JUL	1190	1480	1670	111%	1870	2160	1510
	APR-SEP	1000	1270	1450	111%	1630	1900	1310
Asotin Ck at Asotin								
	APR-JUL	33	44	51	146%	58	69	35
Clearwater R at Spalding[2]								
	APR-JUL	5070	6360	7230	105%	8100	9380	6890
	APR-SEP	5420	6730	7620	105%	8510	9820	7270
Snake R bl Lower Granite Dam[12]								
	APR-JUL	10200	17700	21100	106%	24500	31900	19848
	APR-SEP	11600	20000	23800	107%	27700	36100	22280

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Lower Columbia Basins	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Columbia R at The Dalles[2]								
	APR-JUL	65900		78900	99%		91700	79900
	APR-SEP	77600		92600	100%		106000	92700
Klickitat R nr Glenwood								
	APR-JUL	68	100	121	96%	142	173	126
	APR-SEP	77	111	133	96%	156	190	139
Klickitat R nr Pitt								
	APR-JUL	280	370	435	100%	500	595	435
	APR-SEP	345	450	525	101%	595	705	520
Lewis R at Ariel[2]								
	APR-JUL	695	870	990	102%	1110	1280	970
	APR-SEP	805	990	1120	100%	1240	1420	1120
Cowlitz R bl Mayfiled[2]								
	APR-JUL	1220	1530	1740	107%	1940	2250	1620
	APR-SEP	1410	1790	2050	111%	2310	2690	1840
Cowlitz R at Castle Rock[2]								
	APR-JUL	1800	2100	2310	104%	2510	2820	2230
	APR-SEP	2060	2410	2650	105%	2880	3230	2520

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South Puget Sound Basins	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
White R nr Buckley[1,2]								
	APR-JUL	345	420	460	107%	495	575	430
	APR-SEP	415	505	545	106%	590	680	515
Green R bl Howard A Hanson Dam[1,2]								
	APR-JUL	192	250	280	119%	305	365	235
	APR-SEP	215	275	305	117%	330	390	260

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Central Puget Sound Basins	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Cedar R nr Cedar Falls								
	APR-JUL	53	68	78	111%	88	103	70
	APR-SEP	59	75	85	112%	95	110	76
Rex R nr Cedar Falls								
	APR-JUL	17.3	24	28	117%	32	38	24
	APR-SEP	19.8	26	30	111%	35	41	27
Taylor Ck nr Selleck								
	APR-JUL	15	18.4	21	105%	23	27	20
	APR-SEP	18.4	22	24	100%	27	31	24
SF Tolt R nr Index								
	APR-JUL	14.5	17.3	19.2	135%	21	24	14.2

	APR-SEP	17.1	20	22	137%	24	27	16.1

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North Puget Sound Basins	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Thunder Ck nr Newhalem								
	APR-JUL	189	210	225	96%	235	255	235
	APR-SEP	275	300	315	95%	335	360	330
Skagit R at Newhalem[2]								
	APR-JUL	1350	1540	1670	99%	1800	1990	1680
	APR-SEP	1610	1830	1970	97%	2120	2340	2030
Baker R at Concrete								
	APR-JUL	535	635	705	90%	780	880	780
	APR-SEP	690	830	925	94%	1020	1160	980

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Olympic Penninsula	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Dungeness R nr Sequim								
	APR-JUL	104	120	131	109%	142	158	120
	APR-SEP	125	144	158	109%	171	190	145
Elwha R at McDonald Bridge nr Port Angeles								
	APR-JUL	355	410	445	111%	485	535	400
	APR-SEP	425	485	530	113%	570	630	470

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