

FORECAST DATE	1 Jan	1 Feb	1 Mar	1 Apr
FORECAST'S KAF <b>Drafts reflect VARQ flood control operations at Libby.</b>				
Apr-Aug runoff, Fort Steele	2668	1000	2348	2819
Apr-Aug runoff, Libby Local	2212	2436	1821	2136
Apr-Aug runoff, Libby inflow	4880	4746	4169	4955
Apr-Aug norm, 6248, 1971-2000	78.1%	76.0%	66.7%	79.3%
Apr-Jul runoff	4406	4285	3765	4475
May-Jul runoff	4000	3890	3417	4062
Jan-Jul runoff	4925	4773	4204	4952
Date-Jul runoff	4925	4622	3928	4475
Date-Jul standard error	1069	731	666	643
Date-Jul confidence limit, 1.645	1759	1202	1096	1058
Date-Jul 95% confidence	3167	3420	2832	3417
Date-Jul 5% confidence	6684	5825	5023	5533

FLOOD CONTROL, DRAFT BY:	31 Jan	28 Feb	15 Mar	31 Mar	30 Apr
required draft, KAF	1400.0	1000.0	800.0	636.6	418.8
required elevation, FT	2426.7	2436.4	2441.1	2444.9	2449.8

FORECAST COMPONENT SUMMARY	FRO	WP	WP+NS	SWE	SWE+NS	NSSPW	INT	TOTAL
FORT STEELE, B.C., (FS)	1.059	61.08	61.08	99.8	99.8	29.20		
inches=(fro(1.309)+wp(0.068)+swe(0.067)+sp(0.167))-5.114								
inches	1.386		4.153		6.685	4.876	-5.114	11.986
inches*235.2=kaf								2819
LIBBY LOCAL, (LL)	0.648	55.81	55.81	79.3	79.3	25.62		
inches=(fro(0.921)+wp(0.086)+swe(0.046)+sp(0.152))-4.183								
inches	0.596		4.800		3.648	3.894	-4.183	8.755
inches*244.0=kaf								2136

TERM DEFINITION

fall runoff is FRO  
 winter precip is WP  
 normal subsequent is NS  
 snow water equivalent is SWE  
 normal subsequent spring precip(weighted) is NSSPW  
 equation constant, or, y-INTERCEPT is INT

OBSERVED DATA, usage, FS=Fort Steele, LL=Libby Local

WINTER PRECIP(WP), inches		Oct	Nov	Dec	Jan	Feb	Mar
Banff	FS	0.70	0.38	0.45	0.36	0.63	1.43
Brisco	FS	0.08	0.98	0.59	1.65	0.28	1.65
Fernie	LL	0.73	2.52	1.93	2.41	1.11	3.35
Kaslo	FS	0.55	2.24	5.75	4.09	0.87	6.10
Rogers Pass	FS	1.57	5.04	5.43	6.73	2.44	11.06
Fortine	LL	0.04	0.90	1.66	0.62	0.47	1.88
Libby RS	LL	1.50	1.78	3.67	2.28	0.53	2.65
Bonnars Ferry	LL	0.39	1.34	6.16	3.43	0.58	3.28
Polebridge	LL	0.40	1.00	3.30	1.90	0.90	3.10

SNOW WATER EQUIVLENT(SWE), inches		31 DEC	31 JAN	28 FEB	31 MAR
Glacier	FS	7.5	14.3	16.1	24.1
Kicking Horse	FS	2.6	5.7	6.9	10.7
Kimberly	LL	2.1	0.6	1.2	5.2
Marble Canyon	FS	2.5	7.2	7.3	11.3
Mirror Lake	FS	2.1	3.8	5.5	9.2
Morrissey Ridge	FS & LL*.5	6.9	13.0	16.9	26.6
New Fernie	FS & LL	1.6	4.5	6.6	8.5
Sullivan Mine	FS & LL	3.7	6.5	7.8	9.4
Red Mtn.	LL	4.0	7.1	9.3	16.2
Weisel Divide	LL	7.3	13.5	17.4	26.7

FALL RUNOFF(FRO), kaf		Oct	Nov	SUM
Fort Steele	f=235.2	151	98	249
Libby local	f=244.0	80	78	158

f=, is to convert from basin inches to acre feet(x), or acre feet to basin inches(/).

LIBBY INFLOW, kaf		Oct	Nov	Dec	Jan	Feb	Mar
		231	176	186	151	125	201

'Questions? Call Ken Soderlind, 503-808-3950; Chan Modini, 503-808-3958; or Arun Mylvahanan, 503-808-3961  
 Footnote:

1/ Forecasts for months other than the current month may be different than the official forecast released earlier. Differences are due to updated streamflow, precip, or snow data.