

LIBBY PROJECT INFLOW FORECAST, KAF 2000

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FORECAST DATE	1 Jan
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FORECAST'S KAF

Apr-Aug runoff, Fort Steele	4108
Apr-Aug runoff, Libby Local	2763

Apr-Aug runoff, Libby inflow	6871
Apr-Aug norm, 6376.8, 1961-1990	107.8%
Apr-Jul runoff	6227
May-Jul runoff	5712
Jan-Jul runoff	6850
Date-Jul runoff	6850
Date-Jul standard error	1069
Date-Jul confidence limit, 1.645	1759
Date-Jul 95% confidence	5091
Date-Jul 5% confidence	8608

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FLOOD CONTROL, DRAFT BY:	31 Jan	28 Feb	15 Mar
required draft, KAF	3232.9	4086.5	4363.6
required elevation, FT	2370.9	2335.6	2322.4

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FORECAST COMPONENT SUMMARY	FRO	WP	WP+NS	SWE	SWE+NS	NSSPW	INT
FORT STEELE, B.C., (FS)	3.287	48.81	86.68	49.4	112.1	29.20	
inches=(fro(1.309)+wp(0.068)+swe(0.067)+sp(0.167))-5.114							
inches	4.302		5.894		7.508	4.876	-5.114
inches*235.2=kaf						
LIBBY LOCAL, (LL)	1.148	43.92	79.66	30.2	80.5	25.62	
inches=(fro(0.921)+wp(0.086)+swe(0.046)+sp(0.152))-4.183							
inches	1.057		6.851		3.705	3.894	-4.183
inches*244.0=kaf						

TERM DEFINITION

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

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

WINTER PRECIP(WP), inches	Oct	Nov	Dec
Banff FS	2.56	1.53	0.19
Brisco FS	1.44	2.25	1.30
Fernie LL	3.20	9.50	6.69
Kaslo FS	3.27	5.79	4.50
Rogers Pass FS	7.29	9.39	9.30
Fortine LL	1.12	2.05	1.11
Libby RS LL	1.44	3.60	1.30
Bonnars Ferry LL	1.43	3.85	1.64
Polebridge LL	1.69	3.20	2.10
SNOW WATER EQUILVENT(SWE), inches			31 DEC
Glacier FS			14.7
Kicking Horse FS			6.3
Kimberly LL			1.5
Marble Canyon FS			8.8
Mirror Lake FS			5.2
Morrissey Ridge FS & LL*.5			8.3
New Fernie FS & LL			3.4
Sullivan Mine FS & LL			2.7
Red Mtn. LL			6.6
Weisel Divide LL			11.9

FALL RUNOFF(FRO), kaf	Oct	Nov	SUM
Fort Steele f=235.2	178	595	773
Libby local f=244.0	136	144	280

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

LIBBY INFLOW, kaf	Oct	Nov	Dec
	314	739	374

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