

SUMMARY OF COLUMBIA RIVER FLOOD CONTROL DATA

1 APR 2005

	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	DWR
PROJECT LIMITS									
Maximum El. MSL	2475.0	1444.0	2459.0	1892.0	3560.0	1290.0	2077.0	1600.0	
Minimum El. MSL	2320.0	1378.0	2287.0	1794.2	3336.0	1208.0	1976.0	1445.0	
Usable stor.KAF	12053.3	7100.0	4979.5	1398.6	2982.0	5185.5	975.4	2015.8	
Usable stor.KSFD	6076.9	3579.6	2510.5	705.0	1503.4	2614.4	491.7	1016.4	
CURRENT, 31 MAR.									
Elevation MSL	2386.3	1402.2	2413.2	1802.1	3548.6	1255.9	2075.2	1578.5	
Draft KAF	8069.0	4866.1	1919.8	1329.2	264.7	2508.3	26.1	383.5	
TO MEET 15 APR F.C.									
Feet	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Ksfd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Cfs over inflow	0	0	0	0	0	0	0	0	
FROM 15 APR									
TO MEET 30 APR F.C.									
Feet	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Ksfd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Cfs over inflow	0	0	0	0	0	0	0	0	
FORECASTS, KAF									
Apr-Jul mp	na	na	na	na	na	na	2180	1321	
Apr-Jul %	na	na	na	na	na	na	34.5%	49.9%	
Apr-Jul change	na	na	na	na	na	na	440	-103	
Apr-Aug mp	10354	21531	5401	1968	na	47628	na	na	
Apr-Aug %	91.7%	95.8%	86.4%	96.0%	na	79.0%	na	na	
Apr-Aug change	-91	-744	30	-4	na	1808	na	na	
May-Sep mp	na	na	na	na	1217	na	na	na	
May-Sep %	na	na	na	na	66.3%	na	na	na	
May-Sep change	na	na	na	na	73	na	na	na	
FLOOD CONTROL									
LRC,/a.									
Drafts, KAF									
Apr 15	392	706	751	1238	103	537	0	/c 230	0
Apr 30	392	706	731	1238	81	537	0	/c 118	na
Elevations MSL									
Apr 15	na	1438.5	2442.3	1810.6	3555.6	1283.3	2077.0	c/1587.5	1600.0
Apr 30	na	1438.5	2442.7	1810.6	3556.6	1283.3	2077.0	c/1593.7	na
FLOOD CONTROL, shifts									
shifted urc's, /b.									
Drafts, KAF									
Apr 15	na	na	na	na	na	na	na	na	na
Elevations MSL									
Apr 15	na	na	na	na	na	na	na	na	na
SHIFT POTENTIAL, KAF									
Apr 15	1/	2/	3/	4/	1/ DWR SYS F.C. MINUS LOC F.C. ie				
Apr 30	NO SHIFT ALLOWED BY 30 APRIL.				2/ GCL F.C. PLUS 1/.				
					3/ BRN F.C. PLUS 2/.				
					4/ MAXIMUM TOTAL THAT 2/ or 3/ CAN ADD UP TO.				

AT THE DALLES

Apr-Aug mp	60800	65.3%	storage	Peak to volume unreg,	331	KCFS
Apr-Aug change	3600		correction	Initial controlled flow-		
May-Aug mp	51541		18771 KAF	(ICF)	200	KCFS

/a. LRC is DWORSHAK LOCAL RULE CURVE.

/b. Under certain conditions, the GCL, BRN and DWR rule curves may be "shifted".

The rule curves shown are the "maximum" allowable. All or part of the "max" volume may be "shifted". DWR has priority over BRN if all volume can't be shifted. "shifts" will be determined on a case by case basis, from year to year, and month to month.

/c. For this water year only, no shift operations are scheduled from Dworshak to Grand Coulee due to a level one operational constraint regarding snow covered area for Dworshak. This flood control space requirement - estimated at elevations 1587.5 ft for 15 April and 1593.7 ft for 30 April - is necessary to ensure that the spillway is able to safely pass flood waters if a design flood event were to occur. Snow covered area estimates are updated weekly.

/d. Flood control elevations for LIBBY are based on VARQ flood control procedures.

/e. Flood control elevations for HUNGRY HORSE are based on VARQ flood control procedures.

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