

SUMMARY OF COLUMBIA RIVER FLOOD CONTROL DATA

1 MAR 2004

	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, 28-9 FEB.									
Elevation MSL	2369.2	1400.5	2399.9	1808.4	3513.9	1261.3	2048.6	1508.5	
Draft KAF	9237.1	5040.2	2384.4	1262.3	988.8	2142.8	355.9	1374.5	
TO MEET 31 MAR F.C.									
	15 MAR								
Feet	0.0	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	0.0
Ksfd	0.0	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	0
FORECASTS, KAF									
Apr-Jul mp	na	na	na	na	na	na	4530	2394	
Apr-Jul %	na	na	na	na	na	na	71.8%	90.5%	
Apr-Jul change	na	na	na	na	na	na	20	-205	
Apr-Aug mp	10502	21084	5359	1904	na	54260	na	na	
Apr-Aug %	93.0%	93.8%	85.8%	92.9%	na	90.0%	na	na	
Apr-Aug change	-476	-918	-286	-109	na	-3617	na	na	
May-Sep mp	na	na	na	na	1718	na	na	na	
May-Sep %	na	na	na	na	93.6%	na	na	na	
May-Sep change	na	na	na	na	-185	na	na	na	
FLOOD CONTROL									
									LRC,/a.
Drafts, KAF									
Mar 15	na	na	800	na	na	na	na	na	na
Mar 31	4080	3600	758	1174	489	537	303	983	860
Apr 15	4080	3600	729	1174	528	1376	273	1042	710
Apr 30	4080	3600	701	1174	568	2552	254	1032	na
Elevations MSL									
			d/		e/				
Mar 15	na	na	2441.1	na	na	na	na	na	na
Mar 31	na	1414.1	2442.1	1815.9	3538.5	1283.3	2053.4	1538.3	1547.2
Apr 15	na	1414.1	2442.8	1815.9	3536.6	1272.1	2056.0	1534.1	1557.5
Apr 30	na	1414.1	2443.4	1815.9	3534.8	1255.2	2057.6	1534.8	na
FLOOD CONTROL, shifts									
					shifted urc's, /b.				
Drafts, KAF									
Mar 31	na	na	na	na	na	964	0	860	
Apr 15	na	na	na	na	na	1980	0	710	
Elevations MSL									
Mar 31	na	na	na	na	na	1277.7	2077.0	1547.2	
Apr 15	na	na	na	na	na	1263.7	2077.0	1557.5	
SHIFT POTENTIAL, KAF									
	1/	2/	3/	4/	1/ DWR SYS F.C. MINUS LOC F.C. ie				
					POTENTIAL STORAGE SHIFT TO GCL.				
Mar 31	124	661	964	4602	2/ GCL F.C. PLUS 1/.				
Apr 15	331	1707	1980	4602	3/ BRN F.C. PLUS 2/.				
Apr 30	NO SHIFT ALLOWED BY 30 APRIL.				4/ MAXIMUM TOTAL THAT 2/ or 3/ CAN ADD UP TO.				

DWRSHAK SHIFT ONLY TO GCL		
shifted urc's, /c.		
GCL		
Mar 31	661	KAF
Apr 15	1707	KAF
Mar 31	1281.7	ft
Apr 15	1267.5	ft
DWR		
Mar 31	860	KAF
Apr 15	710	KAF
Mar 31	1547.2	ft
Apr 15	1557.5	ft

AT THE DALLES									
Apr-Aug mp	82500	88.6%	storage	Peak to volume unreg,				493 KCFS	
Apr-Aug change	-5700		correction	Initial controlled flow-					
May-Aug mp	69937		20407 KAF	(ICF)		309 KCFS			

- /a. LRC is DWRSHAK 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. Actual shift operation based on Dworshak shift only to Grand Coulee.
 - /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? Contact Ken Soderlind, 503-808-3950; Chan Modini, 503-808-3958; Arun Mylvahanan, 503-808-3961