

Summary of Columbia River Flood Control, 1-May

WY 2012

Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR
Project Limits								
Maximum Elevation, ft	2475.0	1444.0	2459.0	1892.0	3560.0	1290.0	2077.0	1600.0
Minimum Elevation, ft	2320.0	1378.0	2287.0	1794.2	3336.0	1208.0	1976.0	1445.0
Usable Storage, kaf	12053.3	7100.0	4979.5	1398.6	2981.0	5185.3	975.3	2015.7
Usable Storage, ksfd	6076.9	3579.6	2510.5	705.1	1502.9	2614.3	491.7	1016.3

Apr. 30 Project Conditions								
Elevation, ft (MSL)	2374.0	1406.7	2389.8	1799.2	3532.1	1237.4	2034.4	1532.3
Draft, kaf	8922.8	4399.3	2700.8	1357.1	623.8	3665.7	502.0	1066.8
Usable Stor. less Draft, kaf	3130.6	2700.7	2278.7	41.4	2357.1	1519.6	473.4	948.9

Apr. 30 Flood Control Requirements								
Elevation Change , ft	-	-	-	-	-	-	-	-
Draft Change , kaf	-	-	357.6	-	212.5	936.3	185.3	411.8

1-May Water Supply Forecast									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	6162	3226	-
Apr-Jul %-Normal 2	-	-	-	-	-	-	97.6%	120.2%	-
Apr-Jul Change , kaf 1	-	-	-	-	-	-	-226	260	-
Apr-Aug, kaf	13115	25853	7155	2227	-	72812	-	-	110762
Apr-Aug %-Normal 2	113.2%	114.2%	112.9%	109.1%	-	120.8%	-	-	119.0%
Apr-Aug Change , kaf 1	204	728	283	89	-	4287	-	-	7036
May-Sep, kaf	-	-	-	-	1679	-	-	-	-
May-Sep %-Normal 2	-	-	-	-	91.5%	-	-	-	-
May-Sep Change , kaf 1	-	-	-	-	-227	-	-	-	-

System Flood Control Requirements, Drafts									
Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, kaf	1474	1551	1419	843	322	0	0	918	931
Feb. 28, kaf	2824	2603	1300	1215	451	0	347	1047	1059
Mar. 15, kaf	-	-	1030	1270	-	-	-	-	-
Mar. 31, kaf	4080	3600	1030	1270	511	1527	416	1193	1041
Apr. 15, kaf	4080	3600	3058	1270	763	3964	594	1868	1294
Apr. 30, kaf	4080	3600	3058	1270	836	4602	687	1479	-

System Flood Control Requirements, Elevations									
Jan. 31, ft	-	1431.7	2426.2	1840.3	3546.0	1290.0	2077.0	1543.0	1542.1
Feb. 29, ft	-	1422.9	2429.2	1812.5	3540.2	1290.0	2049.5	1533.7	1532.9
Mar. 15, ft	-	-	2435.7	1807.7	-	-	-	-	-
Mar. 31, ft	-	1414.1	2435.7	1807.7	3537.4	1270.1	2042.9	1522.8	1534.2
Apr. 15, ft	-	1414.1	2377.3	1807.7	3525.4	1232.2	2024.8	1461.0	1515.0
Apr. 30, ft	-	1414.1	2377.3	1807.7	3521.7	1220.2	2014.3	1499.6	-

Flood Control Summary at The Dalles, Oregon			
Apr-Aug, kaf	110762		
Apr-Aug %-Normal	119.0%		Upstream Storage Adjustment, kaf, Chart #2 (3) = 24407
Apr-Aug Change , kaf (1)	7036		Initial Controlled Flow, ICF, kcfs, Chart #1 (3) = 416.1
May-Aug, kaf	89316		Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) = 702

- Notes:**
- 1 Change in official forecast from the previous month.
 - 2 Normal Runoff Volumes based on 71-Year, 1929-1999, averages for MCDB, ARDB, LIB, DCDB, DWR as reported in the 2000 Level Modified Streamflow Report, 2004. Normal Runoff Volumes based on 30-Year, 1971-2000, averages for HGH, GCL, BRN, and TDA as determined by the Northwest River Forecast Center.
 - 3 See Charts 1 and 2 of Columbia River Treaty Flood Control Operating Plan, Corps of Engineers, Northwestern Division, Corps of Engineers.

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