

Summary of Columbia River Flood Control, 1-May

WY 2010

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)	2378.4	1420.3	2407.2	1803.6	3529.3	1269.5	2072.5	1548.1
Draft, kaf	8622.1	2904.9	2136.6	1314.0	682.5	1566.5	64.1	845.9
Usable Stor. less Draft, kaf	3431.3	4195.1	2842.9	84.6	2298.5	3618.8	911.2	1169.8

Apr. 30 Flood Control Requirements								
Elevation Change , ft	-	-	-	-	-	-	-	-
Draft Change , kaf	-	-	-	-	-	-	-	-

1-May Water Supply Forecast									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	2780	1526	-
Apr-Jul %-Normal 2	-	-	-	-	-	-	44.0%	56.9%	-
Apr-Jul Change , kaf 1	-	-	-	-	-	-	190	128	-
Apr-Aug, kaf	10177	19747	4887	1813	-	45300	-	-	62200
Apr-Aug %-Normal 2	87.8%	87.2%	77.1%	88.8%	-	75.1%	-	-	66.8%
Apr-Aug Change , kaf 1	-167	-331	-217	-4	-	400	-	-	1300
May-Sep, kaf	-	-	-	-	1345	-	-	-	-
May-Sep %-Normal 2	-	-	-	-	73.3%	-	-	-	-
May-Sep Change , kaf 1	-	-	-	-	40	-	-	-	-

System Flood Control Requirements, Drafts									
Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, kaf	1439	1510	1546	857	309	0	0	818	825
Feb. 28, kaf	1330	1266	1000	1187	219	0	4	558	560
Mar. 15, kaf	-	-	800	1095	-	-	-	-	-
Mar. 31, kaf	417	706	675	1095	143	537	0	230	217
Apr. 15, kaf	392	706	602	1087	132	537	0	50	0
Apr. 30, kaf	392	706	522	1087	115	537	0	50	-

System Flood Control Requirements, Elevations									
Jan. 31, ft	-	1432.1	2423.0	1839.3	3546.6	1290.0	2077.0	1550.1	1549.6
Feb. 28, ft	-	1434.0	2436.4	1814.8	3550.6	1290.0	2076.7	1567.6	1567.5
Mar. 15, ft	-	-	2441.1	1822.2	-	-	-	-	-
Mar. 31, ft	-	1438.5	2444.0	1822.2	3553.9	1283.3	2077.0	1587.5	1588.2
Apr. 15, ft	-	1438.5	2445.7	1822.8	3554.4	1283.3	2077.0	1597.4	1600.0
Apr. 30, ft	-	1438.5	2447.5	1822.8	3555.1	1283.3	2077.0	1597.4	-

Flood Control Summary at The Dalles, Oregon			
Apr-Aug, kaf	62200		
Apr-Aug %-Normal	66.8%	Upstream Storage Adjustment, kaf, Chart #2 (3) =	18376
Apr-Aug Change , kaf (1)	1300	Initial Controlled Flow, ICF, kcfs, Chart #1 (3) =	200.0
May-Aug, kaf	52729	Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) =	358

- 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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