

Summary of Columbia River Basin Flood Risk Management Requirements, 1-Mar

WY 2020

Issue Date: 6-Mar-2020

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	5349.6	975.3	2015.7
Usable Storage, ksfd	6076.9	3579.6	2510.5	705.1	1502.9	2697.1	491.7	1016.3

Feb. 28/29 Project Conditions								
Elevation, ft (MSL)	2396.5	1405.3	2406.2	1811.9	3529.3	1262.5	2035.5	1522.7
Draft, kaf	7319.3	4543.6	2170.6	1221.6	682.7	2092.3	491.5	1195.2
Usable Stor. less Draft, kaf	4734.0	2556.4	2808.9	177.0	2298.3	3257.2	483.8	820.5

Draft Required to meet Mar. 31 Flood Risk Management								
Elevation Reduction, ft	-	-	2.1	4.2	-	-	-	-
Storage Reduction, kaf	-	-	72.7	48.4	-	-	-	-

1-Mar Water Supply Forecast									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	4028	2355	-
Apr-Jul %-Normal (2)	-	-	-	-	-	-	74%	97%	-
Apr-Jul Change, kaf (1)	-	-	-	-	-	-	-1077	260	-
Apr-Aug, kaf	11579	23744	6349	2214	-	61265	-	-	87043
Apr-Aug %-Normal (2)	106%	108%	108%	110%	-	108%	-	-	99%
Apr-Aug Change, kaf (1)	-19	-154	-37	-12	-	-1758	-	-	-5604
May-Sep, kaf	-	-	-	-	1830	-	-	-	-
May-Sep %-Normal (2)	-	-	-	-	108%	-	-	-	-
May-Sep Change, kaf (1)	-	-	-	-	52	-	-	-	-

System Draft Requirements									
Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, kaf	1648	1703	1400	849	283	5	0	605	605
Feb. 28/29, kaf	2641	2749	2241	1215	449	8	355	776	793
Mar. 15, kaf	-	-	-	1270	-	-	-	-	-
Mar. 31, kaf	4080	3600	2243	1270	609	902	303	936	822
Apr. 15, kaf	-	-	-	-	668	2095	264	983	668
Apr. 30, kaf	4080	3600	2243	1270	728	3204	264	983	-

System Elevation Requirements									
Jan. 31, ft	-	1430.5	2426.7	1839.9	3547.8	1289.9	2077.0	1564.6	1564.6
Feb. 28/29, ft	-	1421.7	2404.2	1812.5	3540.3	1289.9	2048.7	1553.0	1551.8
Mar. 15, ft	-	-	-	1807.7	-	-	-	-	-
Mar. 31, ft	-	1414.1	2404.1	1807.7	3532.8	1278.6	2053.4	1541.7	1549.8
Apr. 15, ft	-	-	-	-	3530.0	1262.5	2056.7	1538.4	1560.4
Apr. 30, ft	-	1414.1	2404.1	1807.7	3527.1	1246.2	2056.7	1538.4	-

Flood Risk Management Summary at The Dalles, Oregon			
Apr-Aug, kaf	87043		
Apr-Aug %-Normal	99.4%		Upstream Storage Adjustment, kaf, Chart #2 (3) = 22884
Apr-Aug Change, kaf (1)	-5604		Initial Controlled Flow, ICF, kcfs, Chart #1 (3) = 316
May-Aug, kaf	73312		Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) = 534

- Notes:**
- 1 Change in official forecast from the previous month.
 - 2 All %-Normal values are based on 30-year (1981-2010) Runoff Volume averages 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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