

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

WY 2020

Issue Date: 7-May-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

Apr. 30 Project Conditions								
Elevation, ft (MSL)	2364.2	1411.5	2405.5	1797.1	3525.2	1249.1	2042.4	1545.5
Draft, kaf	9561.1	3892.2	2194.6	1375.5	765.5	3011.6	421.7	883.5
Usable Stor. less Draft, kaf	2492.2	3207.8	2784.9	23.1	2215.5	2338.0	553.6	1132.3

Apr. 30 Flood Risk Management								
Elevation Reduction, ft	-	-	-	-	-	-	-	-
Storage Reduction, kaf	-	-	-	-	47.8	-	-	-

1-May Water Supply Forecast									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	3848	1960	-
Apr-Jul %-Normal (2)	-	-	-	-	-	-	70%	81%	-
Apr-Jul Change, kaf (1)	-	-	-	-	-	-	-27	-373	-
Apr-Aug, kaf	11308	23162	5759	2178	-	60098	-	-	87323
Apr-Aug %-Normal (2)	103%	105%	98%	108%	-	106%	-	-	100%
Apr-Aug Change, kaf (1)	-484	-695	-565	-55	-	1432	-	-	2878
May-Sep, kaf	-	-	-	-	1970	-	-	-	-
May-Sep %-Normal (2)	-	-	-	-	116%	-	-	-	-
May-Sep Change, kaf (1)	-	-	-	-	80	-	-	-	-

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	0	0	610	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	-	-	-	-	743	1510	215	950	645
Apr. 30, kaf	4080	3381	2201	1270	813	2687	207	950	-

System Elevation Requirements									
Jan. 31, ft	-	1430.5	2426.7	1839.9	3547.8	1290.0	2077.0	1564.3	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	-	-	-	-	3526.4	1270.6	2060.9	1540.8	1562.0
Apr. 30, ft	-	1416.1	2405.4	1807.7	3522.9	1253.9	2061.6	1540.8	-

Flood Risk Management Summary at The Dalles, Oregon			
Apr-Aug, kaf	87323		
Apr-Aug %-Normal	99.8%	Upstream Storage Adjustment, kaf, Chart #2 (3) =	22483
Apr-Aug Change, kaf (1)	2878	Initial Controlled Flow, ICF, kcfs, Chart #1 (3) =	345
May-Aug, kaf	76817	Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) =	536

- 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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