

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

WY 2020

Issue Date: 7-Apr-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

Mar. 31 Project Conditions								
Elevation, ft (MSL)	2374.0	1409.5	2404.0	1800.2	3524.3	1253.5	2038.4	1527.6
Draft, kaf	8922.8	4103.3	2246.8	1348.1	784.3	2717.8	462.1	1129.7
Usable Stor. less Draft, kaf	3130.6	2996.6	2732.7	50.4	2196.7	2631.8	513.2	886.0

Draft Required to meet Apr. 30 Flood Risk Management								
Elevation Reduction, ft	-	-	-	-	1.4	-	-	-
Storage Reduction, kaf	-	-	-	-	29.0	-	-	-

1-Apr Water Supply Forecast									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	3875	2333	-
Apr-Jul %-Normal (2)	-	-	-	-	-	-	71%	96%	-
Apr-Jul Change, kaf (1)	-	-	-	-	-	-	-153	-22	-
Apr-Aug, kaf	11793	23858	6324	2233	-	58666	-	-	84445
Apr-Aug %-Normal (2)	107%	109%	107%	111%	-	103%	-	-	96%
Apr-Aug Change, kaf (1)	214	113	-25	18	-	-2599	-	-	-2598
May-Sep, kaf	-	-	-	-	1890	-	-	-	-
May-Sep %-Normal (2)	-	-	-	-	112%	-	-	-	-
May-Sep Change, kaf (1)	-	-	-	-	60	-	-	-	-

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	3600	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	-	1414.1	2405.4	1807.7	3522.9	1253.9	2061.6	1540.8	-

Flood Risk Management Summary at The Dalles, Oregon										
Apr-Aug, kaf	84445								Upstream Storage Adjustment, kaf, Chart #2 (3) =	22403
Apr-Aug %-Normal	96.5%								Initial Controlled Flow, ICF, kcfs, Chart #1 (3) =	303
Apr-Aug Change, kaf (1)	-2598								Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) =	515
May-Aug, kaf	71124									

- 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.

Questions? Contact Ron Malmgren, 503-808-3975, Ron Thomasson, 503-808-3994, Tom Chisholm 503-808-3958, or Jen Gervais 503-808-3740

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