

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

WY 2020

Issue Date: 7-Feb-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

Jan. 31 Project Conditions								
Elevation, ft (MSL)	2407.1	1411.4	2424.6	1835.2	3536.1	1277.0	2050.5	1517.2
Draft, kaf	6495.0	3898.7	1484.3	917.1	539.5	1026.5	335.4	1265.7
Usable Stor. less Draft, kaf	5558.3	3201.3	3495.3	481.5	2441.5	4323.0	639.9	750.1

Draft Required to meet Feb. 28/29 Flood Risk Management								
Elevation Reduction, ft	-	-	20.4	22.7	-	-	1.8	-
Storage Reduction, kaf	-	-	756.4	297.9	-	-	19.8	-

1-Feb Water Supply Forecast									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	5105	2095	-
Apr-Jul %-Normal (2)	-	-	-	-	-	-	93%	87%	-
Apr-Jul Change, kaf (1)	-	-	-	-	-	-	-309	563	-
Apr-Aug, kaf	11598	23898	6386	2227	-	63023	-	-	92647
Apr-Aug %-Normal (2)	106%	109%	109%	111%	-	111%	-	-	106%
Apr-Aug Change, kaf (1)	419	1277	905	229	-	4540	-	-	5738
May-Sep, kaf	-	-	-	-	1778	-	-	-	-
May-Sep %-Normal (2)	-	-	-	-	105%	-	-	-	-
May-Sep Change, kaf (1)	-	-	-	-	196	-	-	-	-

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	3815	3799	2307	1270	553	2062	409	593	592
Apr. 15, kaf	-	-	-	-	603	3405	432	435	416
Apr. 30, kaf	3815	3799	2307	1270	654	4020	453	619	-

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	-	1412.3	2402.3	1807.7	3535.5	1262.9	2043.6	1565.4	1565.4
Apr. 15, ft	-	-	-	-	3533.1	1243.0	2041.4	1575.4	1576.5
Apr. 30, ft	-	1412.3	2402.3	1807.7	3530.7	1233.0	2039.4	1563.7	-

Flood Risk Management Summary at The Dalles, Oregon			
Apr-Aug, kaf	92647		
Apr-Aug %-Normal	105.8%	Upstream Storage Adjustment, kaf, Chart #2 (3) =	23753
Apr-Aug Change, kaf (1)	5738	Initial Controlled Flow, ICF, kcfs, Chart #1 (3) =	345
May-Aug, kaf	78032	Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) =	574

- 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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