

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

WY 2020

Issue Date: 8-Jan-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, ksf	6076.9	3579.6	2510.5	705.1	1502.9	2697.1	491.7	1016.3

Dec. 31 Project Conditions								
Elevation, ft (MSL)	2421.0	1419.8	2426.4	1862.7	3543.6	1281.7	2059.4	1515.4
Draft, kaf	5319.9	2968.0	1411.9	496.5	376.8	665.4	232.3	1289.1
Usable Stor. less Draft, kaf	6733.4	4132.0	3567.6	902.1	2604.1	4684.2	743.0	726.6

Draft Required to meet Jan. 31 Flood Risk Management								
Elevation Reduction, ft	-	-	-	22.8	-	-	-	-
Storage Reduction, kaf	-	-	-	352.5	-	-	-	-

1-Jan Water Supply Forecast									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	5414	1532	-
Apr-Jul %-Normal (2)	-	-	-	-	-	-	99%	63%	-
Apr-Jul Change, kaf (1)	-	-	-	-	-	-	-	-	-
Apr-Aug, kaf	11179	22621	5481	1998	-	58483	-	-	86909
Apr-Aug %-Normal (2)	102%	103%	93%	100%	-	103%	-	-	99%
Apr-Aug Change, kaf (1)	-	-	-	-	-	-	-	-	-
May-Sep, kaf	-	-	-	-	1582	-	-	-	-
May-Sep %-Normal (2)	-	-	-	-	93%	-	-	-	-
May-Sep Change, kaf (1)	-	-	-	-	-	-	-	-	-

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	2824	2603	1000	1214	313	0	371	480	453
Mar. 15, kaf	-	-	-	1268	-	-	-	-	-
Mar. 31, kaf	4080	3600	794	1268	346	1439	425	230	193
Apr. 15, kaf	-	-	-	-	361	2652	448	50	57
Apr. 30, kaf	4080	3600	787	1268	378	3633	455	50	-

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	-	1422.9	2436.4	1812.6	3546.5	1290.0	2047.2	1572.6	1574.3
Mar. 15, ft	-	-	-	1807.9	-	-	-	-	-
Mar. 31, ft	-	1414.1	2441.3	1807.9	3545.0	1271.5	2042.1	1587.5	1589.6
Apr. 15, ft	-	-	-	-	3544.3	1254.5	2039.8	1597.4	1597.0
Apr. 30, ft	-	1414.1	2441.4	1807.9	3543.6	1239.4	2039.1	1597.4	-

Flood Risk Management Summary at The Dalles, Oregon			
Apr-Aug, kaf	86909		
Apr-Aug %-Normal	99.3%		Upstream Storage Adjustment, kaf, Chart #2 (3) = 20513
Apr-Aug Change, kaf (1)	-		Initial Controlled Flow, ICF, kcfs, Chart #1 (3) = 333
May-Aug, kaf	73199		Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) = 533

- 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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