

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

WY 2019

Issue Date: 8-Mar-2019

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, ksfid	6076.9	3579.6	2510.5	705.1	1502.9	2697.1	491.7	1016.3

Feb. 28/29 Project Conditions								
Elevation, ft (MSL)	2358.9	1415.1	2410.6	1812.2	3526.0	1269.6	2046.0	1524.3
Draft, kaf	9889.6	3491.9	2015.4	1218.9	749.3	1579.8	384.1	1173.4
Usable Stor. less Draft, kaf	2163.7	3608.0	2964.2	179.7	2231.7	3769.7	591.2	842.3

Draft Required to meet Mar. 31 Flood Risk Management								
Elevation Reduction, ft	-	-	-	4.5	-	-	-	-
Storage Reduction, kaf	-	-	-	51.1	-	-	-	-

1-Mar Water Supply Forecast									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	5863	2142	-
Apr-Jul %-Normal (2)	-	-	-	-	-	-	107%	89%	-
Apr-Jul Change, kaf (1)	-	-	-	-	-	-	1703	191	-
Apr-Aug, kaf	10972	21323	5478	2007	-	48998	-	-	76636
Apr-Aug %-Normal (2)	100%	97%	93%	100%	-	86%	-	-	88%
Apr-Aug Change, kaf (1)	-107	-978	160	-23	-	-2354	-	-	1335
May-Sep, kaf	-	-	-	-	1580	-	-	-	-
May-Sep %-Normal (2)	-	-	-	-	93%	-	-	-	-
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	1662	1703	1577	834	267	0	0	844	849
Feb. 28/29, kaf	2206	2081	1000	1215	262	0	219	673	694
Mar. 15, kaf	-	-	-	1270	-	-	-	-	-
Mar. 31, kaf	3420	3030	793	1270	344	537	348	689	629
Apr. 15, kaf	-	-	-	-	359	537	277	678	455
Apr. 30, kaf	3420	3030	785	1270	375	1404	194	678	-

System Elevation Requirements									
Jan. 31, ft	-	1430.5	2422.2	1840.9	3548.5	1290.0	2077.0	1548.3	1547.9
Feb. 28/29, ft	-	1427.3	2436.4	1812.5	3548.7	1290.0	2060.6	1560.1	1558.6
Mar. 15, ft	-	-	-	1807.7	-	-	-	-	-
Mar. 31, ft	-	1419.2	2441.3	1807.7	3545.1	1283.3	2049.3	1559.0	1563.0
Apr. 15, ft	-	-	-	-	3544.4	1283.3	2055.6	1559.8	1574.2
Apr. 30, ft	-	1419.2	2441.5	1807.7	3543.7	1272.0	2062.6	1559.8	-

Flood Risk Management Summary at The Dalles, Oregon			
Apr-Aug, kaf	76636		
Apr-Aug %-Normal	87.6%		Upstream Storage Adjustment, kaf, Chart #2 (3) = 17864
Apr-Aug Change, kaf (1)	1335		Initial Controlled Flow, ICF, kcfs, Chart #1 (3) = 288
May-Aug, kaf	64547		Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) = 460

- 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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