

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

WY 2018

Issue Date: 8-May-2018

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)	2362.7	1414.0	2363.5	1795.9	3475.3	1222.2	2027.8	1491.1
Draft, kaf	9655.2	3609.1	3427.5	1385.9	1645.2	4629.0	565.8	1572.3
Usable Stor. less Draft, kaf	2398.2	3490.9	1552.0	12.7	1335.8	720.6	409.5	443.4

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

1-May Water Supply Forecast									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	5889	3032	-
Apr-Jul %-Normal (2)	-	-	-	-	-	-	108%	125%	-
Apr-Jul Change, kaf (1)	-	-	-	-	-	-	-547	-8	-
Apr-Aug, kaf	11406	23172	7356	2167	-	71449	-	-	106883
Apr-Aug %-Normal (2)	104%	105%	125%	108%	-	126%	-	-	122%
Apr-Aug Change, kaf (1)	-321	-139	167	-42	-	3114	-	-	3546
May-Sep, kaf	-	-	-	-	2500	-	-	-	-
May-Sep %-Normal (2)	-	-	-	-	148%	-	-	-	-
May-Sep Change, kaf (1)	-	-	-	-	105	-	-	-	-

System Draft Requirements									
Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, kaf	1662	1703	2322	855	423	0	0	1079	1090
Feb. 28/29, kaf	2810	2603	2760	1215	677	34	375	1272	1276
Mar. 15, kaf	-	-	-	1270	-	-	-	-	-
Mar. 31, kaf	3267	4210	3558	1270	1311	2486	474	1863	1484
Apr. 15, kaf	-	-	-	-	1625	3964	592	1783	1363
Apr. 30, kaf	4080	3600	3534	1270	1643	4602	683	1474	-

System Elevation Requirements									
Jan. 31, ft	-	1430.5	2401.8	1839.5	3541.5	1290.0	2077.0	1531.3	1530.5
Feb. 28/29, ft	-	1422.9	2387.7	1812.5	3529.6	1289.6	2046.8	1516.8	1516.5
Mar. 15, ft	-	-	-	1807.7	-	-	-	-	-
Mar. 31, ft	-	1408.5	2358.3	1807.7	3496.2	1256.9	2037.2	1461.6	1499.1
Apr. 15, ft	-	-	-	-	3476.6	1234.0	2025.0	1470.0	1509.4
Apr. 30, ft	-	1414.1	2359.3	1807.7	3475.5	1222.7	2014.7	1500.0	-

Flood Risk Management Summary at The Dalles, Oregon			
Apr-Aug, kaf	106883		
Apr-Aug %-Normal	122.1%	Upstream Storage Adjustment, kaf, Chart #2 (3) =	27084
Apr-Aug Change, kaf (1)	3546	Initial Controlled Flow, ICF, kcfs, Chart #1 (3) =	406
May-Aug, kaf	90432	Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) =	675

- 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.