

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

WY 2018

Issue Date: 9-Jan-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

Dec. 31 Project Conditions								
Elevation, ft (MSL)	2420.1	1432.9	2410.6	1856.2	3541.3	1286.0	2067.7	1520.7
Draft, kaf	5398.7	1401.5	2015.0	601.1	426.6	323.9	129.0	1220.8
Usable Stor. less Draft, kaf	6654.7	5698.4	2964.5	797.4	2554.4	5025.6	846.3	794.9

Draft Required to meet Jan. 31 Flood Risk Management								
Elevation Reduction, ft	-	2.5	8.8	16.7	-	-	-	-
Storage Reduction, kaf	-	301.5	306.8	253.4	-	-	-	-

1-Jan Water Supply Forecast									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	5690	2941	-
Apr-Jul %-Normal (2)	-	-	-	-	-	-	104%	122%	-
Apr-Jul Change, kaf (1)	-	-	-	-	-	-	-	-	-
Apr-Aug, kaf	11117	21606	6645	1995	-	55852	-	-	87282
Apr-Aug %-Normal (2)	101%	98%	113%	99%	-	98%	-	-	100%
Apr-Aug Change, kaf (1)	-	-	-	-	-	-	-	-	-
May-Sep, kaf	-	-	-	-	1964	-	-	-	-
May-Sep %-Normal (2)	-	-	-	-	116%	-	-	-	-
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	1662	1703	2322	855	423	0	0	1079	1090
Feb. 28/29, kaf	2810	2603	2597	1212	579	0	385	1332	1333
Mar. 15, kaf	-	-	-	1265	-	-	-	-	-
Mar. 31, kaf	4080	3600	2718	1265	752	729	442	1650	1358
Apr. 15, kaf	-	-	-	-	835	1912	479	1825	1269
Apr. 30, kaf	4080	3600	2718	1265	919	3054	488	1459	-

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	2393.2	1812.8	3534.3	1290.0	2045.9	1512.0	1511.9
Mar. 15, ft	-	-	-	1808.1	-	-	-	-	-
Mar. 31, ft	-	1414.1	2389.2	1808.1	3525.9	1280.9	2040.4	1483.6	1509.9
Apr. 15, ft	-	-	-	-	3521.8	1265.0	2036.8	1465.6	1517.0
Apr. 30, ft	-	1414.1	2389.2	1808.1	3517.5	1248.5	2035.8	1501.3	-

Flood Risk Management Summary at The Dalles, Oregon			
Apr-Aug, kaf	87282		
Apr-Aug %-Normal	99.7%	Upstream Storage Adjustment, kaf, Chart #2 (3) =	23791
Apr-Aug Change, kaf (1)	-	Initial Controlled Flow, ICF, kcfs, Chart #1 (3) =	310
May-Aug, kaf	73513	Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) =	536

- 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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