

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

WY 2017

Issue Date: 8-Feb-2017

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)	2426.6	1402.6	2396.2	1837.3	3542.3	1284.0	2054.1	1524.5
Draft, kaf	4812.1	4828.0	2503.4	886.9	404.4	483.5	295.0	1170.7
Usable Stor. less Draft, kaf	7241.3	2271.9	2476.2	511.6	2576.6	4866.1	680.3	845.0

Draft Required to meet Feb. 28/29 Flood Risk Management								
Elevation Reduction, ft	-	-	-	22.0	-	-	5.7	-
Storage Reduction, kaf	-	-	-	294.5	-	-	64.0	-

1-Feb Water Supply Forecast									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	5327	2541	-
Apr-Jul %-Normal (2)	-	-	-	-	-	-	97%	105%	-
Apr-Jul Change, kaf (1)	-	-	-	-	-	-	526	-514	-
Apr-Aug, kaf	10737	21065	5583	1954	-	53656	-	-	82821
Apr-Aug %-Normal (2)	98%	96%	95%	97%	-	95%	-	-	95%
Apr-Aug Change, kaf (1)	-832	-1980	-1278	-56	-	-1274	-	-	-2124
May-Sep, kaf	-	-	-	-	1489	-	-	-	-
May-Sep %-Normal (2)	-	-	-	-	88%	-	-	-	-
May-Sep Change, kaf (1)	-	-	-	-	-339	-	-	-	-

System Draft Requirements									
Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, kaf	1662	1703	2503	857	373	0	0	1113	1120
Feb. 28/29, kaf	2810	2603	1116	1181	256	0	359	1068	1082
Mar. 15, kaf	-	-	-	1224	-	-	-	-	-
Mar. 31, kaf	4080	3600	941	1224	259	537	380	1145	999
Apr. 15, kaf	-	-	-	-	260	1638	378	1262	867
Apr. 30, kaf	4080	3600	941	1224	261	2816	356	1164	-

System Elevation Requirements									
Jan. 31, ft	-	1430.5	2396.2	1839.3	3543.8	1290.0	2077.0	1528.8	1528.3
Feb. 28/29, ft	-	1422.9	2433.7	1815.3	3549.0	1290.0	2048.3	1532.2	1531.1
Mar. 15, ft	-	-	-	1811.8	-	-	-	-	-
Mar. 31, ft	-	1414.1	2437.8	1811.8	3548.9	1283.3	2046.4	1526.4	1537.2
Apr. 15, ft	-	-	-	-	3548.8	1268.8	2046.5	1517.6	1546.7
Apr. 30, ft	-	1414.1	2437.8	1811.8	3548.8	1252.0	2048.6	1525.0	-

Flood Risk Management Summary at The Dalles, Oregon			
Apr-Aug, kaf	82821		
Apr-Aug %-Normal	94.6%	Upstream Storage Adjustment, kaf, Chart #2 (3) =	20322
Apr-Aug Change, kaf (1)	-2124	Initial Controlled Flow, ICF, kcfs, Chart #1 (3) =	308
May-Aug, kaf	69756	Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) =	504

- 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.

Questions? Contact Ron Malmgren, 503-808-3975, or Ron Thomasson, 503-808-3994.