

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

WY 2014

Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR
<b>Project Limits</b>								
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	5185.3	975.3	2015.7
Usable Storage, ksfd	6076.9	3579.6	2510.5	705.1	1502.9	2614.3	491.7	1016.3

<b>Apr. 30 Project Conditions</b>								
Elevation, ft (MSL)	2378.3	1408.9	2387.9	1794.2	3495.8	1233.5	2056.0	1490.4
Draft, kaf	8628.9	4168.5	2755.9	1398.6	1318.0	3890.4	272.3	1579.7
Usable Stor. less Draft, kaf	3424.4	2931.4	2223.6	0.0	1663.0	1294.9	703.1	436.0

<b>Apr. 30 Flood Risk Management</b>								
Elevation Reduction, ft	-	-	-	-	-	-	-	-
Storage Reduction, kaf	-	-	295.5	-	7.1	-	-	5.4

<b>1-May Water Supply Forecast</b>									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	3519	3183	-
Apr-Jul %-Normal <b>2</b>	-	-	-	-	-	-	64%	132%	-
Apr-Jul <b>Change</b> , kaf <b>1</b>	-	-	-	-	-	-	-415	72	-
Apr-Aug, kaf	11224	22170	6996	1903	-	64683	-	-	96741
Apr-Aug %-Normal <b>2</b>	102%	101%	119%	95%	-	114%	-	-	111%
Apr-Aug <b>Change</b> , kaf <b>1</b>	144	410	128	12	-	4301	-	-	4684
May-Sep, kaf	-	-	-	-	2404	-	-	-	-
May-Sep %-Normal <b>2</b>	-	-	-	-	142%	-	-	-	-
May-Sep <b>Change</b> , kaf <b>1</b>	-	-	-	-	199	-	-	-	-

<b>System Draft Requirements</b>									
Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, kaf	1662	1703	1400	744	358	0	0	864	869
Feb. 28/29, kaf	1840	1742	1000	998	453	0	49	908	912
Mar. 15, kaf	-	-	-	1031	-	-	-	-	-
Mar. 31, kaf	4080	3600	809	1031	619	1547	275	1336	1145
Apr. 15, kaf	-	-	-	-	1307	2821	272	1974	1426
Apr. 30, kaf	4080	3600	3051	1161	1325	3747	269	1585	-

<b>System Elevation Requirements</b>									
Jan. 31, ft	-	1430.5	2426.7	1846.9	3544.4	1290.0	2077.0	1546.9	1546.5
Feb. 28/29, ft	-	1430.1	2436.4	1829.4	3540.1	1290.0	2073.6	1543.8	1543.5
Mar. 15, ft	-	-	-	1826.9	-	-	-	-	-
Mar. 31, ft	-	1414.1	2440.9	1826.9	3532.4	1269.8	2055.8	1511.6	1526.5
Apr. 15, ft	-	-	-	-	3496.4	1251.1	2056.1	1449.6	1504.1
Apr. 30, ft	-	1414.1	2377.6	1817.0	3495.4	1236.0	2056.3	1489.9	-

<b>Flood Risk Management Summary at The Dalles, Oregon</b>			
Apr-Aug, kaf	96741		
Apr-Aug %-Normal	110.5%		Upstream Storage Adjustment, kaf, Chart #2 <b>(3)</b> = 25354
Apr-Aug <b>Change</b> , kaf <b>(1)</b>	4684		Initial Controlled Flow, ICF, kcfs, Chart #1 <b>(3)</b> = 372
May-Aug, kaf	83624		Estimated Unregulated Peak Discharge, kcfs, Chart #1-A <b>(3)</b> = 603

- 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 Kasi Rodgers, 503-808-3950, or Jason Ward, 503-808-3952.

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