

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

WY 2013

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)	2371.8	1411.7	2402.9	1795.0	3526.6	1258.1	2053.9	1564.9
Draft, kaf	9064.4	3865.1	2284.8	1392.8	738.9	2360.9	296.8	600.7
Usable Stor. less Draft, kaf	2988.9	3234.9	2694.7	5.7	2242.1	2824.4	678.5	1415.0

<b>Apr. 30 Flood Risk Management</b>									
Elevation Reduction, ft	-	-	7.7	-	-	-	-	23.9	-
Storage Reduction, kaf	-	-	-	-	-	-	-	-	-

<b>1-May Water Supply Forecast</b>									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	2864	2296	-
Apr-Jul %-Normal <b>2</b>	-	-	-	-	-	-	52.3%	94.9%	-
Apr-Jul <b>Change</b> , kaf <b>1</b>	-	-	-	-	-	-	-614	260	-
Apr-Aug, kaf	11300	22675	6535	2095	-	57373	-	-	82502
Apr-Aug %-Normal <b>2</b>	103.0%	103.2%	111.1%	104.3%	-	101.1%	-	-	94.3%
Apr-Aug <b>Change</b> , kaf <b>1</b>	-175	71	346	34	-	1491	-	-	691
May-Sep, kaf	-	-	-	-	1789	-	-	-	-
May-Sep %-Normal <b>2</b>	-	-	-	-	105.7%	-	-	-	-
May-Sep <b>Change</b> , kaf <b>1</b>	-	-	-	-	39	-	-	-	-

<b>System Draft Requirements</b>									
Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, kaf	1662	1703	2534	857	424	0	0	947	970
Feb. 28/29, kaf	2810	2603	2238	1215	518	0	284	862	867
Mar. 15, kaf	-	-	-	1245	-	-	-	-	-
Mar. 31, kaf	4080	3600	2186	1245	516	537	168	675	619
Apr. 15, kaf	-	-	-	-	569	1161	107	544	367
Apr. 30, kaf	4080	3600	1972	1270	614	2337	81	544	-

<b>System Elevation Requirements</b>									
Jan. 31, ft	-	1430.5	2395.2	1839.3	3541.4	1290.0	2077.0	1541.0	1539.3
Feb. 28/29, ft	-	1422.9	2404.3	1812.5	3537.1	1290.0	2055.1	1547.0	1546.7
Mar. 15, ft	-	-	-	1809.9	-	-	-	-	-
Mar. 31, ft	-	1414.1	2405.8	1809.9	3537.2	1283.3	2064.7	1559.9	1563.7
Apr. 15, ft	-	-	-	-	3534.7	1275.1	2069.4	1568.5	1579.5
Apr. 30, ft	-	1414.1	2411.8	1807.7	3532.6	1258.5	2071.2	1568.5	-

<b>Flood Risk Management Summary at The Dalles, Oregon</b>			
Apr-Aug, kaf	82502		
Apr-Aug %-Normal	94.3%	Upstream Storage Adjustment, kaf, Chart #2 <b>(3)</b> =	21046
Apr-Aug <b>Change</b> , kaf <b>(1)</b>	691	Initial Controlled Flow, ICF, kcfs, Chart #1 <b>(3)</b> =	296.6
May-Aug, kaf	68927	Estimated Unregulated Peak Discharge, kcfs, Chart #1-A <b>(3)</b> =	502

- 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 Maler Annamalai, 503-808-3994, or Jason Ward, 503-808-3952.