

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	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

Mar. 31 Project Conditions								
Elevation, ft (MSL)	2386.1	1412.7	2364.6	1801.0	3498.8	1250.1	2014.7	1463.1
Draft, kaf	8081.9	3759.4	3400.1	1340.3	1265.4	2886.7	683.8	1848.5
Usable Stor. less Draft, kaf	3971.5	3340.6	1579.5	58.3	1715.6	2298.6	291.5	167.2

To Meet Apr. 30 Flood Control Requirements								
Elevation Change , ft	-	-	-5.4	-	-19.3	-29.9	-	-
Draft Change , kaf	-	-	136.3	-	314.7	1715.3	-	-

1-Apr Water Supply Forecast									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	7510	3387	-
Apr-Jul %-Normal 2	-	-	-	-	-	-	119.0%	126.2%	-
Apr-Jul Change , kaf 1	-	-	-	-	-	-	1820	59	-
Apr-Aug, kaf	11086	22961	7191	1997	-	64700	-	-	101000
Apr-Aug %-Normal 2	95.7%	101.4%	113.5%	97.8%	-	107.3%	-	-	108.5%
Apr-Aug Change , kaf 1	153	627	80	85	-	2500	-	-	8700
May-Sep, kaf	-	-	-	-	2357	-	-	-	-
May-Sep %-Normal 2	-	-	-	-	128.5%	-	-	-	-
May-Sep Change , kaf 1	-	-	-	-	136	-	-	-	-

System Flood Control Requirements, Drafts									
Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, kaf	1662	1703	1488	776	415	0	0	1148	1148
Feb. 28, kaf	2810	2603	2612	1173	768	0	400	1510	1459
Mar. 15, kaf	-	-	3416	1182	-	-	-	-	-
Mar. 31, kaf	4080	3600	3416	1182	1183	1517	460	2016	1679
Apr. 15, kaf	4080	3600	3536	1267	1562	3964	580	2016	1674
Apr. 30, kaf	4080	3600	3536	1267	1580	4602	660	1768	-

System Flood Control Requirements, Elevations									
Jan. 31, ft	-	1430.5	2424.5	1844.8	3541.8	1290.0	2077.0	1526.2	1526.2
Feb. 28, ft	-	1422.9	2392.7	1816.0	3525.1	1290.0	2044.5	1496.8	1501.4
Mar. 15, ft	-	-	2364.0	1815.2	-	-	-	-	-
4 Mar. 31, ft	-	1414.1	2364.0	1815.2	3503.4	1270.2	2038.7	1445.0	1480.7
4, 5 Apr. 15, ft	-	1414.1	2359.2	1807.9	3480.7	1232.2	2026.2	1445.0	1481.2
4 Apr. 30, ft	-	1414.1	2359.2	1807.9	3479.5	1220.2	2017.4	1471.6	-

Flood Control Summary at The Dalles, Oregon			
Apr-Aug, kaf	101000		
Apr-Aug %-Normal	108.5%	Upstream Storage Adjustment, kaf, Chart #2 (3) =	26678
Apr-Aug Change , kaf (1)	8700	Initial Controlled Flow, ICF, kcfs, Chart #1 (3) =	376.3
May-Aug, kaf	85620	Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) =	633

- Notes:**
- 1 Change in official forecast from the previous month.
 - 2 Normal Runoff Volumes based on 71-Year, 1929-1999, averages for MCDB, ARDB, LIB, DCDB, DWR as reported in the 2000 Level Modified Streamflow Report, 2004. Normal Runoff Volumes based on 30-Year, 1971-2000, averages for HGH, GCL, BRN, and TDA 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.
 - 4 Due to work on the Drum gates at Grand Coulee, no volume shifts from DWR or BRN are available after March. (2011)
 - 5 A deviation for Dworshak's Apr 15th elevation was approved at 1451.4 ft (Apr 2011)

Questions? Contact Maler Annamalai, 503-808-3994, or Bill Proctor, 503-808-3952.