

Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR
Project Limits								
Maximum Elevation, ft	2475.0	1446.0	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	7361.6	4979.5	1398.6	2981.0	5185.3	975.3	2015.7
Usable Storage, ksfd	6076.9	3711.5	2510.5	705.1	1502.9	2614.3	491.7	1016.3

Jan. 31 Project Conditions								
Elevation, ft (MSL)	2424.1	1418.8	2408.6	1836.8	3520.0	1279.9	2056.7	1528.0
Draft, kaf	5042.1	3076.4	2087.0	893.6	870.2	798.5	264.9	1124.6
Usable Stor. less Draft, kaf	7011.2	4023.6	2892.5	505.0	2110.7	4386.8	710.4	891.1

To Meet Feb. 28 Flood Control Requirements								
Elevation Change , ft	-	-	-	-24.3	-	-	-	-2.4
Draft Change , kaf	-	-	-	321.2	-	-	-	31.8

1-Feb Water Supply Forecast									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	4020	2681	-
Apr-Jul %-Normal 2	-	-	-	-	-	-	63.7%	99.9%	-
Apr-Jul Change , kaf 1	-	-	-	-	-	-	-240	-395	-
Apr-Aug, kaf	10729	22046	5436	1945	-	54600	-	-	79700
Apr-Aug %-Normal 2	92.6%	97.4%	85.8%	95.2%	-	90.6%	-	-	85.6%
Apr-Aug Change , kaf 1	-415	-750	-90	-59	-	-1200	-	-	-2400
May-Sep, kaf	-	-	-	-	1864	-	-	-	-
May-Sep %-Normal 2	-	-	-	-	101.6%	-	-	-	-
May-Sep Change , kaf 1	-	-	-	-	55	-	-	-	-

System Flood Control Requirements, Drafts									
Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, kaf	1662	1703	1421	857	366	0	0	1118	1124
Feb. 28, kaf	2771	2570	1000	1215	509	0	249	1156	1170
Mar. 15, kaf	-	-	800	1215	-	-	-	-	-
Mar. 31, kaf	4021	3549	781	1215	645	537	196	1311	1127
Apr. 15, kaf	4021	3549	768	1215	710	542	146	1471	1010
Apr. 30, kaf	4021	3549	755	1215	776	1743	119	1173	-

System Flood Control Requirements, Elevations									
Jan. 31, ft	-	1430.5	2426.2	1839.3	3544.1	1290.0	2077.0	1528.5	1528.0
Feb. 28, ft	-	1423.2	2436.4	1812.5	3537.5	1290.0	2058.1	1525.6	1524.5
Mar. 15, ft	-	-	2441.1	1812.5	-	-	-	-	-
Mar. 31, ft	-	1414.6	2441.6	1812.5	3531.1	1283.3	2062.4	1513.7	1527.8
Apr. 15, ft	-	1414.6	2441.9	1812.5	3528.0	1283.2	2066.4	1500.3	1536.4
Apr. 30, ft	-	1414.6	2442.2	1812.5	3524.7	1267.0	2068.4	1524.3	-

Flood Control Summary at The Dalles, Oregon			
Apr-Aug, kaf	79700		
Apr-Aug %-Normal	85.6%	Upstream Storage Adjustment, kaf, Chart #2 (3) =	19849
Apr-Aug Change , kaf (1)	-2400	Initial Controlled Flow, ICF, kcfs, Chart #1 (3) =	295.4
May-Aug, kaf	67564	Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) =	481.8

- 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.

Questions? Contact Ken Soderlind, 503-808-3950; or Patti Low, 503-808-3958.

Maximum Flood Control Shift from DWR to GCL												Maximum Flood Control Shift from BRN to GCL							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	GCL	GCL	GCL	DWR	DWR	DWR	DWR / GCL	DWR	DWR	GCL	GCL	GCL	BRN	BRN / GCL	BRN	BRN	GCL	GCL	
	Non-Shifted FC Draft	Maximum Draft Limit	Maximum Shift Potential	FC Draft		FC Shift		Shifted FC		Shifted FC		Maximum Shift Potential remaining	FC Shift		Shifted FC Draft		Shifted FC		
				System	Local	Potential	Allowable	Draft	Elevation	Draft (w/DWR Shift)	Elevation (w/DWR Shift)		Potential	Allowable FC Shift	Draft	Elevation	Draft (w/DWR+BRN Shift)	Elevation (w/DWR+BRN Shift)	
<i>Notes</i>	-	a	2-1	-	-	4-5	Min 3,6	4-7	-	1+7	-	2-10	-	Min 12,13	13-14	-	10+14	-	
<i>Units</i>	kaf	kaf	kaf	kaf	kaf	kaf	kaf	kaf	ft	kaf	ft	kaf	ft	kaf	kaf	ft	kaf	ft	
Jan. 31	0	2745	2745	1118	1124	0	0	1124	1528.0	0	1290.0	2745	0	0	0	2077.0	0	1290.0	
Feb. 28	0	2745	2745	1156	1170	0	0	1170	1524.5	0	1290.0	2745	0	0	249	2058.1	0	1290.0	
Mar. 31	537	3164	2627	1311	1127	184	184	1127	1527.8	721	1280.9	2443	0	0	196	2062.4	721	1280.9	
Apr. 15	542	2325	1783	1471	1010	461	461	1010	1536.4	1003	1277.2	1322	0	0	146	2066.4	1003	1277.2	
Apr. 30 b	1743	1743	0	1301	-	0	0	1301	1514.5	1743	1267.0	0	0	0	119	2068.4	1743	1267.0	

Notes: Under certain conditions the required flood control space at DWR and BRN may be shifted to GCL prior to 30-April. The shifted rule curve shown above represents the maximum allowable flood control shift(s) for the current water year based on the current month's flood control requirements for each project and evacuation limitations at GCL; however, the actual volume shifted to GCL on any date is ultimately determined by the Bureau of Reclamation. The shift of volume for DWR to GCL has priority over the shift of volume from BRN to GCL in cases when GCL cannot accept the total combined volume.

- a** The potential flood control shift to GCL is limited to the operation at GCL above elevation 1252.3 ft (2744 kaf draft) at the end of February and elevation 1225.0 ft (4355 kaf draft) at end of March and 15-Apr, and also limited by the GCL maximum draft rate limit. All projects are to be at their non-shifted flood control requirements at the end of Apr.
- b** No shift is allowed, all projects to be back to their non-shifted flood control requirement by 30-April.

Questions? Contact Ken Soderlind, 503-808-3950; or Patti Low, 503-808-3958.