

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>Jan. 31 PROJECT CONDITIONS</b>								
Elevation, ft (MSL)	2416.3	1410.2	2393.7	1828.4	3535.9	1273.1	2054.2	1531.2
Draft, kaf	5728.6	4027.2	2582.7	1011.6	544.6	1305.5	294.0	1081.0
Usable Stor. less Draft, kaf	6324.7	3072.8	2396.8	387.0	2436.4	3879.8	681.3	934.7

<b>To Meet Feb. 28 Flood Control Requiements</b>								
Elevation <b>Change</b> , ft	0.0	0.0	0.0	15.9	0.0	0.0	0.0	0.0
Draft <b>Change</b> , kaf	0.0	0.0	0.0	203.4	0.0	0.0	0.0	0.0

<b>1-FEB WATER SUPPLY FORECASTS</b>									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	3630	2126	-
Apr-Jul %-Normal <b>2</b>	-	-	-	-	-	-	57.5%	79.2%	-
Apr-Jul <b>Change</b> , kaf <b>1</b>	-	-	-	-	-	-	-1570	-779	-
Apr-Aug, kaf	12610	24881	6582	2122	-	61600	-	-	88200
Apr-Aug %-Normal <b>2</b>	108.8%	109.9%	103.9%	103.9%	-	102.2%	-	-	98.1%
Apr-Aug <b>Change</b> , kaf <b>1</b>	1576	2702	-373	35	-	1600	-	-	-3100
May-Sep, kaf	-	-	-	-	1803	-	-	-	-
May-Sep %-Normal <b>2</b>	-	-	-	-	98.3%	-	-	-	-
May-Sep <b>Change</b> , kaf <b>1</b>	-	-	-	-	-20	-	-	-	-

<b>SYSTEM FLOOD CONTROL REQUIREMENTS, Drafts</b>									
Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, kaf <b>4</b>	1662	1703	2582	857	371	0	0	1067	1078
Feb. 28, kaf	2810	2603	2511	1215	466	0	250	801	814
Mar. 15, kaf	-	-	2623	1270	-	-	-	-	-
Mar. 31, kaf	4080	3600	2623	1270	580	1124	232	672	617
Apr. 15, kaf	4080	3600	2623	1270	635	2329	192	658	442
Apr. 30, kaf	4080	3600	2623	1270	690	3396	174	658	-

<b>SYSTEM FLOOD CONTROL REQUIREMENTS, Elevations</b>									
Jan. 31, ft <b>4</b>	-	1430.5	2393.7	1839.3	3543.9	1290.0	2077.0	1532.3	1531.4
Feb. 28, ft	-	1422.9	2396.0	1812.5	3539.5	1290.0	2057.9	1551.3	1550.4
Mar. 15, ft	-	-	2392.4	1807.7	-	-	-	-	-
Mar. 31, ft	-	1414.1	2392.4	1807.7	3534.2	1275.6	2059.5	1560.1	1563.8
Apr. 15, ft	-	1414.1	2392.4	1807.7	3531.6	1258.6	2062.8	1561.1	1575.0
Apr. 30, ft	-	1414.1	2392.4	1807.7	3528.9	1241.9	2064.2	1561.1	-

<b>FLOOD CONTROL SUMMARY AT THE DALLES, OR</b>			
Apr-Aug, kaf	88200		
Apr-Aug %-Normal	94.8%	Upstream Storage Adjustment, kaf, Chart #2 (3) =	22830
Apr-Aug <b>Change</b> , kaf (1)	-3100	Initial Controlled Flow, ICF, kcfs, Chart #1 (3) =	327.0
May-Aug, kaf	74769	Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) =	710.3

- 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** Columbia River Treaty Flood Control Operating Plan, Corps of Engineers, Northwestern Division, 2003
  - 4** Previous month's flood control values may differ from the previously released value due to updates in climate data.
  - 5** DCDB Feb 28 draft is based on BCHydro deviation request granted by COE.

**Questions?** Contact Ken Soderlind, 503-808-3950; Arun Mylvahanan 503-808-3961, John McCoskery, 503-808-3951, or Patti Etzel, 503-808-3958

Summary of Columbia River Flood Control Shift, 1-Feb

WY 2007

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 (System FC Draft)	Allowable FC Shift	Draft	Elevation	Draft (w/DWR+BRN Shift)	Elevation (w/DWR+BRN Shift)
<i>Notes</i>	-	<b>a</b>	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	-	-	1067	1078	0	0	<b>1078</b>	<b>1531.4</b>	<b>0</b>	<b>1290.0</b>	-	0	0	<b>0</b>	<b>2077.0</b>	<b>0</b>	<b>1290.0</b>
Feb. 28	0	2744	2744	801	814	0	0	<b>814</b>	<b>1550.4</b>	<b>0</b>	<b>1290.0</b>	2744	250	250	<b>0</b>	<b>2077.0</b>	<b>250</b>	<b>1286.9</b>
Mar. 31	1124	4355	3231	672	617	56	56	<b>617</b>	<b>1563.8</b>	<b>1179</b>	<b>1274.8</b>	3176	232	232	<b>0</b>	<b>2077.0</b>	<b>1411</b>	<b>1271.6</b>
Apr. 15	2329	4355	2026	658	442	216	216	<b>442</b>	<b>1575.0</b>	<b>2545</b>	<b>1255.3</b>	1810	192	192	<b>0</b>	<b>2077.0</b>	<b>2737</b>	<b>1252.4</b>
Apr. 30 <b>b</b>	3396	3396	0	658	-	0	0	<b>658</b>	<b>1561.1</b>	<b>3396</b>	<b>1241.9</b>	0	174	0	<b>174</b>	<b>2064.2</b>	<b>3396</b>	<b>1241.9</b>

**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 the end of March and 15-April. All projects to be at their non-shifted flood control requirements at the end of April.
- 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; Arun Mylvahanan 503-808-3961, John McCoskery, 503-808-3951, or Patti Etzel, 503-808-3958.