

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	2319.0	1377.0	2287.0	1794.0	3336.0	1208.0	1976.0	1445.0
Usable Storage, kaf	12104.4	7179.7	4979.5	1400.0	2981.0	5185.3	975.3	2015.7
Usable Storage, ksfd	6102.6	3619.8	2510.5	705.8	1502.9	2614.3	491.7	1016.3

Dec. 31 PROJECT CONDITIONS								
Elevation, ft (MSL)	2433.7	1416.1	2410.8	1861.4	3539.7	1286.1	2065.8	1546.9
Draft, kaf	4147.2	3380.7	2007.7	517.6	462.1	316.0	153.7	862.9
Usable Stor. less Draft, kaf	7957.2	3799.0	2971.8	882.3	2518.8	4869.3	821.6	1152.8

To Meet Jan. 31 Flood Control Requiements								
Elevation Change , ft	0.0	0.0	-17.1	-22.1	0.0	0.0	0.0	-14.7
Draft Change , kaf	0.0	0.0	574.1	339.4	0.0	0.0	0.0	203.9

1-JAN WATER SUPPLY FORECASTS									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	5200	2905	-
Apr-Jul %-Normal 2	-	-	-	-	-	-	82.4%	108.3%	-
Apr-Jul Change , kaf 1	-	-	-	-	-	-	-	-	-
Apr-Aug, kaf	11034	22179	6955	2087	-	60000	-	-	91300
Apr-Aug %-Normal 2	95.2%	97.9%	109.7%	102.2%	-	99.5%	-	-	98.1%
Apr-Aug Change , kaf 1	-	-	-	-	-	-	-	-	-
May-Sep, kaf	-	-	-	-	1823	-	-	-	-
May-Sep %-Normal 2	-	-	-	-	99.4%	-	-	-	-
May-Sep Change , kaf 1	-	-	-	-	-	-	-	-	-

SYSTEM FLOOD CONTROL REQUIREMENTS, Drafts									
Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, kaf	1662	1703	2582	857	371	0	0	1067	1078
Feb. 28, kaf	2810	2603	3018	1270	480	0	360	1308	1311
Mar. 15, kaf	-	-	3182	-	-	-	-	-	-
Mar. 31, kaf	4080	3600	3182	1270	601	1591	416	1602	1326
Apr. 15, kaf	4080	3600	3182	1270	659	2804	439	1842	1233
Apr. 30, kaf	4080	3600	3182	1270	718	3736	458	1467	-

SYSTEM FLOOD CONTROL REQUIREMENTS, Elevations									
Jan. 31, ft	-	1430.5	2393.7	1839.3	3543.9	1290.0	2077.0	1532.3	1531.4
Feb. 28, ft	-	1422.9	2378.8	1807.7	3538.9	1290.0	2048.2	1513.9	1513.7
Mar. 15, ft	-	-	2372.8	-	-	-	-	-	-
Mar. 31, ft	-	1414.1	2372.8	1807.7	3533.2	1269.2	2042.9	1488.3	1512.5
Apr. 15, ft	-	1414.1	2372.8	1807.7	3530.4	1251.4	2040.7	1463.8	1519.8
Apr. 30, ft	-	1414.1	2372.8	1807.7	3527.6	1236.2	2038.9	1500.6	-

FLOOD CONTROL SUMMARY AT THE DALLES, OR			
Apr-Aug, kaf	91300		
Apr-Aug %-Normal	98.1%	Upstream Storage Adjustment, kaf, Chart #2 (3) =	23834
Apr-Aug Change , kaf (1)	-	Initial Controlled Flow, ICF, kcfs, Chart #1 (3) =	339.2
May-Aug, kaf	77397	Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) =	732.3

- 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

Questions? Contact Ken Soderlind, 503-808-3950; John McCoskery, 503-808-3951; or Patti Etzel, 503-808-3958.

Summary of Columbia River Flood Control Shift, 1-Jan

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>	-	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	-	-	1067	1078	0	0	1078	1531.4	0	1290.0	-	0	0	0	2077.0	0	1290.0	
Feb. 28	0	2744	2744	1308	1311	0	0	1311	1513.7	0	1290.0	2744	360	360	0	2077.0	360	1285.5	
Mar. 31	1591	4355	2764	1602	1326	276	276	1326	1512.5	1867	1265.3	2488	416	416	0	2077.0	2283	1259.2	
Apr. 15	2804	4355	1551	1842	1233	609	609	1233	1519.8	3413	1241.6	942	439	439	0	2077.0	3852	1234.2	
Apr. 30 b	3736	3736	0	1467	-	0	0	1467	1500.6	3736	1236.2	0	458	0	458	2038.9	3736	1236.2	

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; John McCoskery, 503-808-3951; or Patti Etzel, 503-808-3958.