

Summary of Columbia River Basin Flood Risk Management Requirements, 01-Apr WY 2026

Issue Date: 08 Apr-2026

Project Limits

Project	MCDB	ARDB	DCDB	LIB	HGH	DWR	BRN	GCL
Max elevation, ft	2475	1444	1892	2459	3560	1600	2077	1290
Min elevation, ft	2320	1378	1794.2	2287	3336	1445	1976	1208
Usable Storage, kaf	12053.3	7100	1398.6	4979.5	2981	2015.7	975.3	5349.6

Mar 31 Project Conditions

Project	MCDB	ARDB	DCDB	LIB	HGH	DWR	BRN	GCL
Elevation, ft (MSL)	2395.8	1398.0	1803.7	2381.7	3545.8	1576.1	2044.9	1251.4
Draft, kaf	7375.0	5292.0	1312.7	2934.2	327.2	423.7	396.1	2859.9
Usable Stor. Less Draft, kaf	4678.3	1808.0	85.8	2045.3	2653.7	1592.0	579.3	2489.7

Draft Required to meet Apr 30 Flood Risk Management

Project	MCDB	ARDB	DCDB	LIB	HGH	DWR	BRN	GCL
Elevation Reduction, ft	-	-	-	18.2	-	5.4	-	-
Storage Reduction, kaf	-	-	-	491.3	-	87.6	-	-

1-Apr Water Supply Forecast

Project	MCDB	ARDB	DCDB	LIB	HGH	DWR	BRN	GCL	TDA
Apr-Jul, kaf						2009	3412		
Apr-Jul %normal (2)						81%	67%		
Apr-Jul change, kaf (1)						7	-667		
Apr-Aug, kaf	13194	24974	2415	7117				60862	83904
Apr-Aug %normal (2)	118%	113%	118%	117%				105%	94%
Apr-Aug change, kaf (1)	978	1328	124	379				-109	-378
May-Sep, kaf					1539				
May-Sep %normal (2)					87%				
May-Sep change, kaf (1)					34				

System Draft Requirements

Project	MCDB+ARDB(4)	ARDB(4)	DCDB(4)	LIB	HGH	DWR	BRN	GCL
Jan 31, kaf	1670	1670	-	3139	387	748	0	0
Feb 28/29, kaf	2346	2346	-	2871	301	565	294	0
Mar 31 kaf	3600	3600	-	2979	274	519	294	851
Apr 15 kaf	-	-	-	-	315	433	120	1826
Apr 30, kaf	3600	3600	-	3426	324	511	92	2594

System Draft Requirements (cont.) – Apr 30 (kaf)

Project	WEL	RRH	WAN+PRD	JDA
FRM Space Requirement, kaf	-	-	-	-

System Elevation Requirements

Project	MCDB	ARDB	DCDB	LIB	HGH	DWR	BRN	GCL
Jan 31, ft	-	1430.7	-	2374.4	3543.1	1554.9	2077	1290
Feb 28/29, ft	-	1425.1	-	2383.9	3547.0	1567.2	2054.2	1290.0
Mar 31, ft	-	1414.1	-	2380.2	3548.2	1570.1	2054.2	1279.3
Apr 15, ft	-	-	-	-	3546.4	1575.5	2068.4	1266.2
Apr 30, ft	-	1414.1	-	2363.6	3546.0	1570.6	2070.5	1255.3

Flood Risk Management Summary at The Dalles, Oregon

Parameter	kaf	kcfs
The Dalles Apr-Aug forecast	83904	-
The Dalles May-Aug forecast	70151	-
Initial Controlled Flow, ICF	-	318
Estimated Unregulated Peak Discharge	-	512

1. Change in official forecast from previous month.

2. All % Normal values are based on the 30-year (1991-2020) Runoff Volume averages as determined by the Northwest River Forecast Center.

3. Dworshak and Grand Coulee System numbers include shift if applicable; when shift is maximal the System values at Dworshak are the same as Local.

4. MCDB and DCDB do not have system FRM requirements unless an Article IV(3) call is active.

5. If FRM space is required at John Day or the Middle Columbia projects, the date for maximum drawdown will be coordinated with operators in real-time. It is anticipated that all requested space would be available by the start of system refill.

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Questions? Contact Michelle Yuen 503 467-1970 or Haytham Oueidat 503 351-5362

Maximum Flood Risk Storage Shift from DWR and/or BRN to GCL

Date	GCL Non-Shifted FC Draft (kaf)	GCL Maximum Draft Limit (kaf)	GCL Maximum Shift Potential (kaf)	DWR FC Draft - System (kaf)	DWR FC Draft - Local (kaf)	DWR FC Shift - Granted (kaf)	DWR / GCL FC Shift - Allowable (kaf)	DWR Shifted FC Draft (kaf)	DWR Shifted FC Elevation (ft)	GCL Shifted FC Draft (w/DWR Shift) (kaf)	GCL Shifted FC Elevation (w/DWR Shift) (ft)	GCL Maximum Shift Potential remaining (kaf)	BRN FC Shift - Granted (kaf)	BRN / GCL FC Shift - Allowable (kaf)	BRN Shifted FC Draft (kaf)	BRN Shifted FC Elevation (ft)	GCL Shifted FC Draft (w/DWR+BRN Shift) (kaf)	GCL Shifted FC Elevation (w/DWR+BRN Shift) (ft)
Jan. 31	0	2798	2798	730	748	0	0	748	1554.9	0	1290.0	2798	0	0	0	2077.0	0	1290.0
Feb. 28/29	0	2798	2798	564	565	0	0	565	1567.2	0	1290.0	2798	0	294	294	2054.2	0	1290.0
Mar. 31	828	4369	3542	542	519	23	23	519	1570.1	851	1279.3	3519	0	294	294	2054.2	851	1279.3
Apr. 15	1748	3976	2228	511	346	78	166	433	1575.5	1826	1266.2	2150	0	120	120	2068.4	1826	1266.2
Apr. 30 b	2594	2594	0	511	-	0	0	511	1570.6	2594	1255.3	0	0	0	92	2070.5	2594	1255.3
Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Notes	-	a	2-1	-	-	-	Min (3, 4-5)	4-6	-	1+6	-	2-10	-	-	-	-	10+13	-

Notes:

a Under certain conditions the required flood risk draft at DWR and BRN may be shifted to GCL prior to 30 April. The shifted rule curve shown above represents the maximum allowable flood risk storage shift(s) for the current water year based on the current month's flood risk management 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 volume combined volume.

b No shift is allowed, all projects to be back to their non-shifted flood risk draft requirement by 30 April.

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