

Columbia River System Flood Risk Management Requirements  
Report #3 for Water Year 2026  
Issue Date: 06 Mar 2026

**A. Purpose of Flood Risk Management Requirements.** These requirements provide maximum end-of-month reservoir elevations and/or outflows for flood risk management projects in the Columbia River Basin. These requirements are for use by U.S. Army Corps of Engineers, Bureau of Reclamation, Idaho Power, Energy Keepers, BC Hydro, Grant Co. PUD, Chelan Co. PUD, Douglas Co. PUD, and Bonneville Power Administration for operations planning and include all formally approved deviations to date. Any deviation from the flood risk management requirements herein will require approval from the Chief, Columbia Basin Water Management Division (CBWM) per the Northwestern Division's (NWD) Deviation Policy (NWDR 1110-2-6, 09 Sept 2023). Requirements are in accordance with the Columbia River Treaty and project-specific water control plans and manuals, with variations as described below. These system flood risk management requirements will be revised and re-issued as new information becomes available.

**B. List of Approved Flood Deviations from Water Control Manuals.**

Deviation at Albeni Falls Dam for ramping rates, summer pool exceedance, spill and total dissolved gas, and delayed refill.

**C. Flood Risk Management Requirements.**

These requirements have been prepared using the most recent official seasonal volume forecasts. The April-August volume forecast at The Dalles Dam based on the March 2026 official forecast is 84,282 kaf. All other forecasts can be found in Table 2 below or at:

<http://www.nwd-wc.usace.army.mil/report/colsum/>

Table 1 shows the flood risk management elevations, draft and flow limits for the evacuation, holding and refill periods. The Initial Control Flow at The Dalles based on the March official forecast is 323 kcfs.

**D. System Flood Risk Management Refill Requirement Discussion.**

The Flood Risk Management Requirements shown in Table 1 are based on the official March seasonal runoff volume forecasts. During the refill season, end-of-month reservoir elevation targets and control flow may change in response to the shape and timing of the runoff.

**E. Individual Project Flood Risk Management Requirements Discussion.**

No specific individual requirements at this time.

**Table 1. Flood Risk Management Requirements**

<b>Project</b>	<b>31 Jan</b>	<b>28 Feb</b>	<b>31 Mar</b>	<b>15 Apr</b>	<b>30 Apr<sup>3</sup></b>	<b>Date Refill Started</b>	<b>31 May<sup>3</sup></b>	<b>30 Jun<sup>3</sup></b>	<b>31 Jul<sup>3</sup></b>
MCDB+ARDB (kaf) <sup>1</sup>	1670	2345.7	3600	3600	3600	-	1764	0	0
ARDB (kaf) <sup>1</sup>	1670	2345.7	3600	3600	3600	-	1764	0	0
ARDB (ft)	1430.7	1425.1	1414.1	1414.1	1414.1	-	1430.0	1444.0	1444.0
DCDB (kaf) <sup>1</sup>	-	-	-	-	-	-	-	-	-
LIB (ft) <sup>4</sup>	2374.4	2383.9	2380.2	n/a	2380.2		- <sup>9</sup>	- <sup>9</sup>	2459.0
LIB (kcfs)	n/a	n/a	n/a	n/a	n/a	-	tbd	tbd	tbd
HGH (ft)	3543.1	3547.0	3548.2	3548.0	3547.9		- <sup>9</sup>	3560.0	3560.0
HGH (kcfs)	n/a	n/a	n/a	n/a	n/a	-	tbd	tbd	tbd
SKQ (ft)	n/a	n/a	n/a	2883.0	n/a	-	2890.0 <sup>8</sup>	2893.0	2893.0
ALF (ft) <sup>2</sup>	2060.0	2060.0	2056.0	n/a	2056.0	-	-	-	-
GCL (ft)	1290.0	1290.0	1279.3	1265.5	1255.7		1274.0	1289.7	1290.0
BRN (ft)	2077.0	2054.2	2054.2	2058.2	2058.5		2074.3	2077.0	2077.0
DWR (ft) <sup>7</sup>	1554.9	1567.2	1570.1	1581.1	1571.2		1590.3	1600.0	1600.0
WEL (kaf)	0	0	0	0	- <sup>6</sup>	-	0 <sup>6</sup>	0 <sup>6</sup>	0 <sup>6</sup>
RRH (kaf)	0	0	0	0	- <sup>6</sup>	-	0 <sup>6</sup>	0 <sup>6</sup>	0 <sup>6</sup>
WAN+PRD (kaf)	0	0	0	0	- <sup>6</sup>	-	0 <sup>6</sup>	0 <sup>6</sup>	0 <sup>6</sup>
JDA (kaf)	0	0	0	0	- <sup>6</sup>	-	0 <sup>6</sup>	0 <sup>6</sup>	0 <sup>6</sup>

## Notes:

1. MCDB and DCDB do not have system Flood Risk Management requirements unless an Article IV(3) call is active.
2. Albeni Falls flood risk management elevations are based on readings at the Hope gage.
3. Flood risk management requirements for May, June and July are based on estimated normal runoff shape. Under certain circumstances, the Refill Guide Curve (also known as Flood Control Refill Curve) procedure may be used to determine when refill is to begin at each project where applicable and affect the 30 Apr elevations.
4. Per the Libby Dam WCM, Rule 1 of the VarQ operating procedures, releases will be limited to the hydraulic capacity of the powerhouse to the best extent possible.
5. Per the Libby Water Control Manual, when the official Libby Water Supply Forecast released at the start of April is less than 6.9 MAF, refill is initiated on May 1.
6. If FRM space is required at John Day or the middle Columbia projects, Northwestern Division will coordinate the exact timing for drawdown and refill with project operators in real-time. It is anticipated that all requested space would be made available prior to the start of system refill.
7. A shift in FRM storage is in place for 31 March and 15 April targets per the 2026 Water Management Plan.
8. SKQ May FRM is for Memorial Day, not 31 May.
9. End-of-month elevation is guided by the minimum VarQ outflow during the FRM Fill period.

**Table 2. Water Supply Forecasts (Kaf)**

<b>Project</b>	<b>Forecast Period</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Current month Forecast % of Normal</b>
MCDB <sup>1</sup>	Apr-Aug	12577	12304	<b>12216</b>					<b>109%</b>
ARDB <sup>1</sup>	Apr-Aug	24734	23894	<b>23646</b>					<b>107%</b>
DCDB <sup>1</sup>	Apr-Aug	2354	2321	<b>2291</b>					<b>112%</b>
LIB	Apr-Aug	7595	6831	<b>6738</b>					<b>111%</b>
HGH	May-Sep	1867	1562	<b>1505</b>					<b>85%</b>
SKQ <sup>2</sup>	Apr-Jul	5743	4965	<b>4949</b>					<b>81%</b>
ALF <sup>2</sup>	Apr-Jul	11364	10089	<b>10494</b>					<b>85%</b>
GCL <sup>2</sup>	Apr-Aug	58972	58106	<b>60971</b>					<b>105%</b>
BRN <sup>2</sup>	Apr-Jul	5230	4279	<b>4079</b>					<b>80%</b>
DWR <sup>2</sup>	Apr-Jul	1968	1752	<b>2002</b>					<b>81%</b>
TDA <sup>2</sup>	Apr-Aug	88029	82642	<b>84282</b>					<b>94%</b>

Notes:

1. Official water supply forecasts for MCDB, ARDB, and DCDB are provided by BC Hydro on official forecast days.
2. Official water supply forecasts for SKQ, ALF, GCL, BRN, DWR and TDA are the ESP 10-day-QPF median values published by the NWRFC on the official forecast days for 2026.

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