

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

Issue Date: 06 Mar-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 | |

Feb 28 Project Conditions

| Project | MCDB | ARDB | DCDB | LIB | HGH | DWR | BRN | GCL | |
|------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elevation, ft (MSL) | 2407.0 | 1396.0 | 1817.1 | 2383.7 | 3538.9 | 1566.1 | 2045.0 | 1263.8 | |
| Draft, kaf | 6506.3 | 5489.8 | 1159.8 | 2879.6 | 478.6 | 582.1 | 394.5 | 1999.8 | |
| Usable Stor. Less Draft, kaf | 5547.0 | 1610.2 | 238.8 | 2099.9 | 2502.4 | 1433.6 | 580.8 | 3349.8 | |

Draft Required to meet Mar 31 Flood Risk Management

| Project | MCDB | ARDB | DCDB | LIB | HGH | DWR | BRN | GCL | |
|-------------------------|------|------|------|------|-----|-----|-----|-----|--|
| Elevation Reduction, ft | - | - | - | 3.5 | - | - | - | - | |
| Storage Reduction, kaf | - | - | - | 98.9 | - | - | - | - | |

1-Mar Water Supply Forecast

| Project | MCDB | ARDB | DCDB | LIB | HGH | DWR | BRN | GCL | TDA |
|-------------------------|-------|-------|------|------|------|------|------|-------|-------|
| Apr-Jul, kaf | | | | | | 2002 | 4079 | | |
| Apr-Jul %normal (2) | | | | | | 81% | 80% | | |
| Apr-Jul change, kaf (1) | | | | | | 250 | -200 | | |
| Apr-Aug, kaf | 12216 | 23646 | 2291 | 6738 | | | | 60971 | 84282 |
| Apr-Aug %normal (2) | 109% | 107% | 112% | 111% | | | | 105% | 94% |
| Apr-Aug change, kaf (1) | -87 | -248 | -30 | -93 | | | | 2865 | 1640 |
| May-Sep, kaf | | | | | 1505 | | | | |
| May-Sep %normal (2) | | | | | 85% | | | | |
| May-Sep change, kaf (1) | | | | | -57 | | | | |

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 | - | - | - | - | 277 | 340 | 247 | 1880 | |
| Apr 30, kaf | 3600 | 3600 | - | 2979 | 281 | 503 | 243 | 2565 | |

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 | - | - | - | - | 3548.0 | 1581.1 | 2058.2 | 1265.5 | |
| Apr 30, ft | - | 1414.1 | - | 2380.2 | 3547.9 | 1571.2 | 2058.5 | 1255.7 | |

Flood Risk Management Summary at The Dalles, Oregon

| Parameter | kaf | kcfs | | | | | | | |
|--------------------------------------|-------|------|--|--|--|--|--|--|--|
| The Dalles Apr-Aug forecast | 84282 | - | | | | | | | |
| The Dalles May-Aug forecast | 70467 | - | | | | | | | |
| Initial Controlled Flow, ICF | - | 323 | | | | | | | |
| Estimated Unregulated Peak Discharge | - | 514 | | | | | | | |

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 | 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 | 3541 | 542 | 519 | 23 | 23 | 519 | 1570.1 | 851 | 1279.3 | 3518 | 0 | 294 | 294 | 2054.2 | 851 | 1279.3 |
| Apr. 15 | 1717 | 2461 | 744 | 503 | 340 | 163 | 163 | 340 | 1581.1 | 1880 | 1265.5 | 581 | 0 | 247 | 247 | 2058.2 | 1880 | 1265.5 |
| Apr. 30 b | 2564 | 2564 | 0 | 503 | - | 0 | 0 | 503 | 1571.2 | 2564 | 1255.7 | 0 | 0 | 0 | 243 | 2058.5 | 2564 | 1255.7 |
| Column Number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| Notes | - | a | 2-1 | - | - | 4-5 | Min 3,6 | 4-7 | - | 1+7 | - | 2-10 | - | Min 12,13 | - | - | 10+14 | - |

Notes:
 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.

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

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