

**Summary of Columbia River Basin Flood Risk Management Requirements, 1-Jan**  
**Issue Date: 08-Jan-2021**

**WY 2021**

**Project Limits**

Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR
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	5349.6	975.3	2015.7
Usable Storage, ksfd	6076.9	3579.6	2510.5	705.1	1502.9	2697.1	491.7	1016.3

**Dec. 31 Project Conditions**

Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR
Elevation, ft (MSL)	2434.3	1419.8	2410.9	1865.7	3548.0	1286.1	2057.9	1527.7
Draft, kaf	4082.5	2963.4	2003.7	447.6	278.0	317.5	250.2	1127.6
Usable Stor. less Draft, kaf	7970.9	4136.6	2975.8	951.0	2702.9	5032.1	725.1	888.1

**Draft Required to meet Jan. 31 Flood Risk Management**

Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Elevation Reduction, ft	-	-	2.8	26.4	4.1	-	-	-	-
Storage Reduction, kaf	-	-	101.3	409.4	91.8	-	-	-	-

**1-Jan Water Supply Forecast**

Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	4202	2843	-
Apr-Jul %-Normal (2)	-	-	-	-	-	-	77%	118%	-
Apr-Jul Change, kaf (1)	-	-	-	-	-	-	-	-	-
Apr-Aug, kaf	11920	23266	6215	2170	-	55490	-	-	82416
Apr-Aug %-Normal (2)	109%	106%	106%	108%	-	98%	-	-	94%
Apr-Aug Change, kaf (1)	-	-	-	-	-	-	-	-	-
May-Sep, kaf	-	-	-	-	1820	-	-	-	-
May-Sep %-Normal (2)	-	-	-	-	108%	-	-	-	-
May-Sep Change, kaf (1)	-	-	-	-	-	-	-	-	-

**System Draft Requirements**

Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, kaf	1662	1703	2105	857	370	0	0	1045	1057
Feb. 28/29, kaf	2810	2603	2330	1215	478	0	287	1268	1272
Mar. 15, kaf	-	-	-	1270	-	-	-	-	-
Mar. 31, kaf	4080	3600	2553	1270	598	537	269	1518	1271
Apr. 15, kaf	-	-	-	-	655	1414	226	1729	1171
Apr. 30, kaf	4080	3600	2572	1270	714	2278	210	1387	-

**System Elevation Requirements**

Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, ft	-	1430.5	2408.1	1839.3	3543.9	1290.0	2077.0	1533.8	1533.0
Feb. 28/29, ft	-	1422.9	2401.5	1812.5	3539.0	1290.0	2054.8	1517.1	1516.8
Mar. 15, ft	-	-	-	1807.7	-	-	-	-	-
Mar. 31, ft	-	1414.1	2394.6	1807.7	3533.4	1283.3	2056.4	1496.1	1516.8
Apr. 15, ft	-	-	-	-	3530.6	1271.9	2060.0	1475.6	1524.4
Apr. 30, ft	-	1414.1	2394.0	1807.7	3527.8	1259.9	2061.3	1507.5	-

**Flood Risk Management Summary at The Dalles, Oregon**

Parameter	Chart (3)	kaf	kcfs
The Dalles Apr-Aug Forecast	-	82416	-
The Dalles May-Aug Forecast	-	69415	-
Upstream Storage Correction	#2	22932	-
Corrected The Dalles May-Aug Forecast	-	46483	-
Initial Controlled Flow, ICF	#1	-	286
Estimated Unregulated Peak Discharge	#1-A	-	501

**Notes:**

- 1 Change in official forecast from the previous month.
  - 2 All %-Normal values are based on 30-year (1981-2010) Runoff Volume averages as determined by the Northwest River Forecast Center.
  - 3 Columbia River Treaty Flood Control Operating Plan, Corps of Engineers, Northwestern Division, Corps of Engineers, 2003.
- Questions?** Contact Ron Malmgren 503-808-3975, or Ron Thomasson 503-808-3994, or Tom Chisholm 503-808-3958.

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