

**Summary of Columbia River Basin Flood Risk Management Requirements, 1-Feb**  
**Issue Date: 05-Feb-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

**Jan. 31 Project Conditions**

Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR
Elevation, ft (MSL)	2412.9	1407.9	2407.6	1838.0	3540.6	1280.5	2038.7	1531.7
Draft, kaf	6021.7	4271.6	2124.3	877.0	443.4	762.0	459.5	1074.4
Usable Stor. less Draft, kaf	6031.6	2828.4	2855.2	521.6	2537.6	4587.6	515.8	941.3

**Draft Required to meet Feb. 28/29 Flood Risk Management**

Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Elevation Reduction, ft	-	-	1.4	25.5	-	-	-	-	-
Storage Reduction, kaf	-	-	48.4	338.0	-	-	-	-	-

**1-Feb Water Supply Forecast**

Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	3959	2432	-
Apr-Jul %-Normal (2)	-	-	-	-	-	-	72%	101%	-
Apr-Jul Change, kaf (1)	-	-	-	-	-	-	-243	-411	-
Apr-Aug, kaf	11670	22959	5979	2098	-	57326	-	-	83271
Apr-Aug %-Normal (2)	106%	104%	102%	105%	-	101%	-	-	95%
Apr-Aug Change, kaf (1)	-250	-306	-236	-72	-	1836	-	-	855
May-Sep, kaf	-	-	-	-	1670	-	-	-	-
May-Sep %-Normal (2)	-	-	-	-	99%	-	-	-	-
May-Sep Change, kaf (1)	-	-	-	-	-150	-	-	-	-

**System Draft Requirements**

Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, kaf	-	-	-	-	-	-	-	-	1057
Feb. 28/29, kaf	2810	2603	2173	1215	373	0	276	1008	1013
Mar. 15, kaf	-	-	-	1270	-	-	-	-	-
Mar. 31, kaf	4080	3600	2348	1270	438	683	258	1025	895
Apr. 15, kaf	-	-	-	-	468	1578	208	1098	750
Apr. 30, kaf	4080	3600	2383	1270	500	2433	198	1083	-

**System Elevation Requirements**

Project >>	MCDB	ARDB	LIB VarQ	DCDB	HGH VarQ	GCL	BRN	DWR Sys	DWR Loc
Jan. 31, ft	-	-	-	-	-	-	-	-	1533.0
Feb. 28/29, ft	-	1422.9	2406.2	1812.5	3543.8	1290.0	2055.7	1536.6	1536.2
Mar. 15, ft	-	-	-	1807.7	-	-	-	-	-
Mar. 31, ft	-	1414.1	2401.0	1807.7	3540.8	1281.5	2057.3	1535.3	1544.6
Apr. 15, ft	-	-	-	-	3539.4	1269.6	2061.4	1529.9	1554.8
Apr. 30, ft	-	1414.1	2399.9	1807.7	3538.0	1257.6	2062.3	1531.0	-

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

Parameter	Chart (3)	kaf	kcfs
The Dalles Apr-Aug Forecast	-	83271	-
The Dalles May-Aug Forecast	-	70135	-
Upstream Storage Correction	#2	22155	-
Corrected The Dalles May-Aug Forecast	-	47980	-
Initial Controlled Flow, ICF	#1	-	297
Estimated Unregulated Peak Discharge	#1-A	-	507

**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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