

Summary of Columbia River Basin Flood Risk Management Requirements, 1-Jan

WY 2019

Issue Date: 9-Jan-2019

Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR
Project Limits								
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, ksf	6076.9	3579.6	2510.5	705.1	1502.9	2697.1	491.7	1016.3

Dec. 31 Project Conditions								
Elevation, ft (MSL)	2414.7	1416.6	2415.5	1861.8	3538.8	1278.9	2062.7	1521.4
Draft, kaf	5868.8	3323.6	1833.8	511.2	482.3	880.3	193.0	1211.6
Usable Stor. less Draft, kaf	6184.6	3776.4	3145.7	887.4	2498.7	4469.3	782.3	804.1

Draft Required to meet Jan. 31 Flood Risk Management								
Elevation Reduction, ft	-	-	-	20.9	-	-	-	-
Storage Reduction, kaf	-	-	-	322.6	-	-	-	-

1-Jan Water Supply Forecast									
Project >>	MCDB	ARDB	LIB	DCDB	HGH	GCL	BRN	DWR	TDA
Apr-Jul, kaf	-	-	-	-	-	-	4383	2239	-
Apr-Jul %-Normal (2)	-	-	-	-	-	-	80%	93%	-
Apr-Jul Change, kaf (1)	-	-	-	-	-	-	-	-	-
Apr-Aug, kaf	10560	21643	5721	1956	-	55941	-	-	83322
Apr-Aug %-Normal (2)	96%	98%	97%	97%	-	99%	-	-	95%
Apr-Aug Change, kaf (1)	-	-	-	-	-	-	-	-	-
May-Sep, kaf	-	-	-	-	1533	-	-	-	-
May-Sep %-Normal (2)	-	-	-	-	91%	-	-	-	-
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	1577	834	267	0	0	844	849
Feb. 28/29, kaf	2810	2603	1309	1183	283	0	306	885	890
Mar. 15, kaf	-	-	-	1226	-	-	-	-	-
Mar. 31, kaf	4080	3600	1176	1226	300	621	305	797	712
Apr. 15, kaf	-	-	-	-	308	1797	271	809	544
Apr. 30, kaf	4080	3600	1176	1226	316	2960	259	809	-

System Elevation Requirements									
Jan. 31, ft	-	1430.5	2422.2	1840.9	3548.5	1290.0	2077.0	1548.3	1547.9
Feb. 28/29, ft	-	1422.9	2428.9	1815.2	3547.8	1290.0	2053.1	1545.4	1545.0
Mar. 15, ft	-	-	-	1811.6	-	-	-	-	-
Mar. 31, ft	-	1414.1	2432.2	1811.6	3547.0	1282.3	2053.2	1551.6	1557.4
Apr. 15, ft	-	-	-	-	3546.7	1266.6	2056.2	1550.8	1568.5
Apr. 30, ft	-	1414.1	2432.2	1811.6	3546.3	1249.9	2057.2	1550.8	-

Flood Risk Management Summary at The Dalles, Oregon			
Apr-Aug, kaf	83322		
Apr-Aug %-Normal	95.2%		Upstream Storage Adjustment, kaf, Chart #2 (3) = 20249
Apr-Aug Change, kaf (1)	-		Initial Controlled Flow, ICF, kcfs, Chart #1 (3) = 312
May-Aug, kaf	70178		Estimated Unregulated Peak Discharge, kcfs, Chart #1-A (3) = 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 See Charts 1 and 2 of Columbia River Treaty Flood Control Operating Plan, Corps of Engineers, Northwestern Division, Corps of Engineers.

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