

Reservoir	All Elev (NAVD88) 7am Readings	Observed	Forecast				
		18-May-2023	19-May-2023	20-May-2023	21-May-2023	22-May-2023	23-May-2023
Allegheny	Pool Elev	1329.57	1329.59	1329.58	1329.54	1329.49	1329.42
	Outflow (cfs)	1400	1400	1400	1400	1400	1400
Tionesta	Pool Elev	1090.28	1089.84	1089.92	1089.94	1089.92	1089.86
	Outflow (cfs)	440	440	270	270	270	270
Union City	Pool Elev	1219.74	1219.58	1219.34	1219.05	1218.75	1218.39
	Outflow (cfs)	110	105	99	94	90	85
Woodcock	Pool Elev	1180.87	1180.85	1180.83	1180.80	1180.76	1180.73
	Outflow (cfs)	15	15	15	15	15	15
East Branch	Pool Elev	1669.66	1669.61	1669.56	1669.50	1669.44	1669.38
	Outflow (cfs)	120	60	60	60	60	60
Mahoning	Pool Elev	1097.69	1098.21	1098.63	1098.99	1099.28	1099.52
	Outflow (cfs)	210	140	140	140	140	140
Crooked Creek	Pool Elev	843.64	843.47	843.46	843.43	843.39	843.32
	Outflow (cfs)	140	140	100	100	100	100
Conemaugh	Pool Elev	906.61	905.56	904.09	904.28	904.27	904.09
	Outflow (cfs)	1650	1650	1650	970	970	970
Loyalhanna	Pool Elev	923.09	922.75	922.89	922.98	923.03	923.03
	Outflow (cfs)	240	240	120	120	120	120
Stonewall Jackson	Pool Elev	1072.68	1072.64	1072.62	1072.59	1072.56	1072.53
	Outflow (cfs)	70	70	45	45	45	45
Tygart	Pool Elev	1096.77	1096.68	1096.74	1096.59	1096.25	1095.78
	Outflow (cfs)	1700	1700	1300	1300	1300	1300
Youghiogheny	Pool Elev	1440.64	1440.34	1440.35	1440.32	1440.26	1440.17
	Outflow (cfs)	940	940	425	425	425	425
Michael J. Kirwan	Pool Elev	984.82	984.80	984.79	984.77	984.75	984.66
	Outflow (cfs)	35	35	35	35	35	115
Berlin	Pool Elev	1024.24	1024.16	1024.07	1023.99	1023.90	1023.85
	Outflow (cfs)	150	150	150	150	150	85
Lake Milton	Pool Elev	947.63	947.62	947.61	947.60	947.59	947.59
	Outflow (cfs)	160	160	160	160	160	85
Mosquito	Pool Elev	900.74	900.73	900.71	900.70	900.69	900.68
	Outflow (cfs)	30	30	30	30	30	30
Shenango	Pool Elev	895.50	895.47	895.43	895.40	895.36	895.32
	Outflow (cfs)	285	285	285	285	285	285

Reservoir	Flood Storage				Conservation Storage			
	Current Capacity Used	Ac-ft of Space Used	Ac-ft of Space Available	Inches of Runoff Available	Normal Capacity This Date	Current Capacity Available	Ac-ft of Water Available	Inches of Runoff to 100%
Allegheny	4%	25055	581345	5.0	100%	100%	573655	0.0
Tionesta	2%	2974	119261	4.7	N/A	N/A	2974	N/A
Union City	0%	202	47450	4.0	N/A	N/A	202	N/A
Woodcock	1%	176	14894	6.1	100%	100%	4146	0.0
East Branch	0%	0	19087	4.9	100%	100%	64145	0.0
Mahoning	4%	2502	64518	3.6	100%	100%	5182	0.0
Crooked Creek	2%	1943	86407	5.8	N/A	N/A	1943	N/A
Conemaugh	2%	4078	240838	3.3	N/A	N/A	4078	N/A
Loyalhanna	3%	2915	87865	5.7	N/A	N/A	2915	N/A
Stonewall Jackson	2%	399	26081	4.8	100%	100%	45449	0.0
Tygart	3%	5889	172461	2.7	100%	100%	105939	0.0
Youghiogheny	7%	6539	92270	4.0	100%	100%	153288	0.0
Michael J. Kirwan	0%	0	22597	5.2	100%	99%	52303	0.1
Berlin	3%	789	30428	2.3	100%	100%	54627	0.0
Lake Milton	6%	360	5190	3.6	100%	100%	21910	0.0
Mosquito	0%	76	21364	4.1	100%	100%	75691	0.0
Shenango	2%	3003	147397	4.7	100%	100%	32903	0.0

Reservoir	Pool Elevations (NAVD88)			
	Minimum Pool	Winter Max Pool	Summer Max Pool	Full Pool
Allegheny	1239.40	1304.78	1327.53	1364.51
Tionesta	1084.57			1169.57
Union City	1209.70			1277.70
Woodcock	1161.86	1164.84	1180.35	1208.37
East Branch	1554.78	1650.78	1669.78	1684.78
Mahoning	1074.28		1097.14	1161.14
Crooked Creek	837.43			917.43
Conemaugh	899.22			974.22
Loyalhanna	909.52			974.52
Stonewall Jackson	1037.84	1067.53	1072.53	1081.33
Tygart	1009.45	1039.45	1093.45	1166.45
Youghiogheny	1343.35	1418.35	1438.35	1469.35
Michael J. Kirwan	950.51	980.56	985.06	992.55
Berlin	979.31	1015.91	1024.01	1031.31
Lake Milton	929.43	939.43	947.43	950.43
Mosquito	880.33	899.23	900.73	903.33
Shenango	883.68	886.67	894.67	917.67

Flood Storage Used	
District-wide	3.1%
Allegheny Basin	3.1%
Monongahela Basin	4.2%
Beaver Basin	1.8%

Conservation Storage Available	
District-wide	99.9%
Allegheny Basin	100.0%
Monongahela Basin	100.0%
Beaver Basin	99.7%

Basin	Snow Report	
	Snow Depth (inches)	Water Content (inches)
Upper Ally.	0.0	0.0
Lower Ally.	0.0	0.0
Upper Mon.	0.0	0.0
Lower Mon.	0.0	0.0
Beaver	0.0	0.0
Ohio	0.0	0.0

U.S. Army Corps of Engineers: <http://www.usace.army.mil/>
Pittsburgh District: <http://www.lrp.usace.army.mil/>
Water Management: <http://www.lrp.usace.army.mil/Missions/WaterManagement.aspx>

NOTES

This forecast represents current models of reservoir project pool elevations and releases for the next five days.

Final decisions on all operations (changes in project release) are made on the day of the operation, and may be changed without notice.

Minimum Pool - the minimum pool elevation for the project.
Winter Max Pool - the maximum winter Guide Curve elevation for the project.
Summer Max Pool - the maximum summer Guide Curve elevation for the project.
Full Pool - the elevation of the pool at maximum flood control storage.

The winter and summer pool levels are part of the overall Guide Curve for each lake, which is the maximum level maintained at each lake throughout the year.

Guide Curves are shown on the plots posted here:
<http://www.lrp.usace.army.mil/Portals/72/docs/WaterManagement/Reservoir%20Plots.pdf>

"Flood Storage Capacity Used" is the amount of the lake's floodwater storage which is already filled. The lake volume between Guide Curve and Full Pool is the amount of "empty space" that is supposed to be kept available for storing floodwater.

Conservation storage is the water in each lake below the Guide Curve and above Minimum Pool. Conservation storage is for a variety of purposes, varying from lake to lake, and can include purposes such as water quality control, fish and wildlife, navigation, water supply, recreation, etc. Some lakes have no allocated conservation storage.

This file is usually updated daily by noon Eastern Time

LRP.WaterManagement@usace.army.mil