

Reservoir	All Elev (NAVD88) 7am Readings	Observed	Forecast				
		21-Jan-2019	22-Jan-2019	23-Jan-2019	24-Jan-2019	25-Jan-2019	26-Jan-2019
Allegheny	Pool Elev	1303.02	1302.98	1302.91	1302.83	1302.73	1302.62
	Outflow (cfs)	2309	2309	2309	2309	2309	2309
Tionesta	Pool Elev	1088.78	1088.18	1087.91	1087.54	1087.59	1087.59
	Outflow (cfs)	570	570	430	430	275	275
Union City	Pool Elev	1221.97	1219.83	1218.66	1217.10	1214.66	1211.37
	Outflow (cfs)	345	240	228	217	206	175
Woodcock	Pool Elev	1164.95	1164.85	1164.69	1164.49	1164.63	1164.75
	Outflow (cfs)	55	55	55	55	25	25
East Branch	Pool Elev	1622.96	1622.94	1622.90	1622.84	1622.77	1622.69
	Outflow (cfs)	95	95	95	95	95	95
Mahoning	Pool Elev	1083.56	1082.40	1080.91	1079.21	1078.81	1078.42
	Outflow (cfs)	290	440	440	440	290	290
Crooked Creek	Pool Elev	846.95	847.13	845.72	844.13	843.72	843.27
	Outflow (cfs)	245	635	635	635	480	480
Conemaugh	Pool Elev	909.29	908.35	906.87	905.93	905.71	905.41
	Outflow (cfs)	1700	3300	3300	2750	2200	2200
Loyalhanna	Pool Elev	927.76	927.03	925.00	922.58	920.52	920.91
	Outflow (cfs)	450	1250	1250	1250	1250	530
Stonewall Jackson	Pool Elev	1068.91	1068.87	1068.65	1068.39	1068.10	1067.93
	Outflow (cfs)	110	520	520	520	520	350
Tygart	Pool Elev	1065.33	1071.68	1067.58	1060.58	1056.19	1054.70
	Outflow (cfs)	1395	9148	9148	9147	6148	3699
Youghiogheny	Pool Elev	1421.53	1422.09	1421.66	1421.08	1420.75	1420.49
	Outflow (cfs)	824	1800	2100	2100	2100	2100
Michael J. Kirwan	Pool Elev	980.63	980.64	980.64	980.73	980.79	980.77
	Outflow (cfs)	35	35	35	35	140	140
Berlin	Pool Elev	1016.05	1016.05	1016.00	1016.21	1016.28	1016.14
	Outflow (cfs)	125	125	175	175	540	540
Lake Milton	Pool Elev	939.62	939.62	939.59	939.56	939.56	939.56
	Outflow (cfs)	125	125	195	195	540	540
Mosquito	Pool Elev	899.25	899.25	899.24	899.27	899.26	899.23
	Outflow (cfs)	25	25	25	25	180	180
Shenango	Pool Elev	886.64	886.55	886.59	886.91	887.64	887.66
	Outflow (cfs)	450	450	270	270	270	1250

Reservoir	Flood Storage				Normal Capacity This Date	Conservation Storage		
	Current Capacity Used	Ac-ft of Space Used	Ac-ft of Space Available	Inches of Runoff Available		Current Capacity Available	Ac-ft of Water Available	Inches of Runoff to 100%
Allegheny	0%	0	853328	7.3	100%	95%	301672	0.1
Tionesta	2%	2097	120138	4.7	N/A	N/A	2097	N/A
Union City	1%	339	47313	4.0	N/A	N/A	339	N/A
Woodcock	0%	16	18634	7.7	100%	100%	406	0.0
East Branch	0%	119	60033	15.5	100%	100%	23199	0.0
Mahoning	3%	1756	67944	3.7	100%	100%	1756	0.0
Crooked Creek	4%	3452	84898	5.7	N/A	N/A	3452	N/A
Conemaugh	3%	7290	238880	3.3	N/A	N/A	7290	N/A
Loyalhanna	6%	5667	85113	5.5	N/A	N/A	5667	N/A
Stonewall Jackson	8%	3132	35418	6.6	100%	100%	36112	0.0
Tygart	13%	31803	221097	3.5	100%	100%	57303	0.0
Youghiogheny	5%	7546	142739	6.2	80%	100%	102819	0.0
Michael J. Kirwan	1%	182	33018	7.6	96%	100%	41882	0.0
Berlin	1%	297	53734	4.0	83%	100%	31321	0.0
Lake Milton	1%	257	17733	12.3	100%	100%	9367	0.0
Mosquito	0%	139	32181	6.2	94%	100%	64874	0.0
Shenango	0%	0	174015	5.5	100%	99%	6285	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	1622.78	1649.78	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	2.7%
Allegheny Basin	1.3%
Monongahela Basin	9.6%
Beaver Basin	0.3%

Conservation Storage Available	
District-wide	97.8%
Allegheny Basin	95.8%
Monongahela Basin	100.0%
Beaver Basin	100.0%

Basin	Snow Report	
	Snow Depth (inches)	Water Content (inches)
Upper Ally.	12.3	1.6
Lower Ally.	6.0	1.1
Upper Mon.	1.7	0.3
Lower Mon.	3.9	0.9
Beaver	10.3	1.4
Ohio	4.1	0.7

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

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