

2026-Spring									
Tide Gate Inspection Log - River									
Site	East Riser	West Riser	Losen Slote	Frank's Creek	East Rutherford	Moonachie	Depeyster	Rutherford	Impoundment
Date	5/20/2026	5/20/2026	6/3/2026	6/9/2026	5/20/2026	6/8/2026	6/3/2026	5/20/2026	6/9/2026
Time	1:55	1:48	1:30	10:30	2:11	10:45	2:00	10:00	
GPS Location	Latitude: 40.832311, Longitude: -74.073814	Latitude: 40.83796, Longitude: -74.076207	Latitude: 40.829307, Longitude: -74.038072	Latitude: 40.743229, Longitude: -74.136558	Latitude: 40.814167, Longitude: -74.093056	Latitude: 40.814372, Longitude: -74.052838	Latitude: 40.841787, Longitude: -74.034161	Latitude: 40.811111, Longitude: -74.093055	Latitude: 40.782969, Longitude: -74.096578
Structure elevation above sea-level (NAVD88)	6.49 ft	9.35 ft	6.78 ft	4.79 ft	6.36 ft	9.06 ft	9.79 ft	6.12 ft	8.559 ft
Virtual variable (feet)	-3.257	-2.871	-2.41	-2.672	-3.3817	-6.4	0.11	-3.28	-5.839
Wiring	good	good	good	good	good	good	good	good	good
Sensor	good	good	good	good	good	good	good	good	good
Solar/Battery	20.5/13.3	20.2/13.2	20.4/13.4	20.9/13.56	19.3/13.3	20.6/13.54	20.4/13.5	20.9/13.34	20.4/13.49
Logger	good	good	good	good	good	good	good	good	good
Fouling	good	good	good	good	good	good	good	good	good
			*They need someone to fix the tide gate clearing belt		*Took data logger to lab		*Need access to clear large branches		*Redeployed 6/9/2026
					*Lock changed to a key				*New 30 ft cables Offsets: Landside = -3.463ft Riverside = -5.839ft
Tide Gate Inspection Log - Land									
Site	East Riser	West Riser	Losen Slote	Frank's Creek	East Rutherford	Moonachie	Depeyster	Rutherford	Impoundment
Date	5/20/2026	5/20/2026	6/3/2026	6/9/2026	5/20/2026	6/8/2026		5/20/2026	6/9/2026
Time	1:55	1:48	1:30	10:30	2:13	10:20		10:00	
GPS Location	Latitude: 40.832311, Longitude: -74.073814	Latitude: 40.83796, Longitude: -74.076207	Latitude: 40.829307, Longitude: -74.038072	Latitude: 40.743229, Longitude: -74.136558	Latitude: 40.814266739, Longitude: -74.093195647	Latitude: 40.82133, Longitude: -74.051482		Latitude: 40.6661847, Longitude: -74.2877831	Latitude: 40.782969, Longitude: -74.096578
Structure elevation above sea-level (NAVD88)	6.49 ft	9.35 ft	6.78 ft	4.79 ft	6.41 ft	2.20 ft		4.32 ft	8.559 ft
Virtual variable (feet)	-8.583	-3.3107	-4.53	-2.031	-0.4627	-3.047		-3.65	-3.463
Wiring	good	good	good	good	good	good		good	good
Sensor	good	good	good	good	good	good		good	good
Solar/Battery	20.5/13.3	20.2/13.2	20.4/13.4	20.9/13.56	19.3/13.3	20.5/13.51		20.9/13.34	20.4/13.49
Logger	good	good	good	good	good	good		good	good
Fouling	none	none	none	none	none	none		none	none
			*Cleared branches from solar panel						