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Friends of the Shenandoah River's 2021 Summer Quantitative *E. coli* Test Results at public recreational use sites on the Main Stem, South Fork and North Fork of the Shenandoah River and the Opequon Creek

These results provide a snapshot of the *E. coli* bacteria concentrations at the designated sites on the date, time, and under the conditions that the water samples were collected.

SITE ID	SITE DESCRIPTION	5/27	6/3	6/10	6/15	6/23	7/1	7/2	7/7	7/14	7/21	7/28	8/11
FC08	Main-stem Shenandoah River at Castleman's Ferry public boat ramp, Route 7 bridge	101.7	27.5	104.3	118.7	121.1	48.7	28.5	16.1	9.7	14.8	6.3	28.5
FC05	Main-stem Shenandoah River at Lockes Landing public boat landing	44.8	34.5	123.6	60.9	62.7	54.8	85.7	77.1	69.1	37.3	41.0	88.2
FC01	Main-stem Shenandoah River at Berry's public boat ramp, Route 50 bridge	27.2	28.2	96.0	48.7	30.1	44.1	96.0	45.0	35.9	22.6	9.6	29.8
FC01	Quality Assurance/Quality Control Duplicate (2nd)Main-stem Shenandoah River at Berry's public boat ramp, Route 50 bridge											8.5	
FW35	Main-stem Shenandoah River at Morgan's Ford low H2O bridge public boat landing below confluence with Manassas Run	26.2	56.5	272.3	95.9	98.7							
FW35MID	Main-stem Shenandoah River at Morgan's Ford low H2O bridge mid width of river						290.9	920.8	101.7	16.0	57.3	24.1	78.4
FW36	Manassas Run upstream of confluence with main-stem Shenandoah River, just upstream of public boat landing			275.5	160.7	156.5	275.5	>2,419.6	1413.6	435.2	>2419.6	648.8	387.3
FW14	SF Shenandoah River at Front Royal public boat landing off Luray Ave.	14.8	24.6	33.6	238.2	45.7	18.7	104.6	9.7	7.5	4.1	16.9	20.1
FWAGSP	SF Shenandoah River @ Raymond R. "Andy" Guest Jr., Shenandoah River State Park	14.6	16.0	21.6	160.7	21.1	20.6		16.0	22.6	41.7	12.1	24.6
FWIH	SF Shenandoah River at Indian Hollow public boat launch off Indian Hollow Road												
FP03WL	SF Shenandoah River at the relocated White House public boat landing on west side of river. river left												
FP02	SF Shenandoah River at Newport public boat ramp downstream of Riverside Campground/ Kite's Store	39.3	22.3	104.3	248.1	56.5	17.5		7.3	17.3	7.5	10.8	4.1
FSMB	NF Shenandoah River at Meems Bottom	133.4	125.9	435.2	195.6	152.9	290.9		214.3	95.9	53.8	73.8	73.3
FSDR	NF Shenandoah River at Deer Rapids public boat landing												
FSSP	NF Shenandoah River at Strasburg Park public boat landing	21.6	14.6	88.0	40.2	24.1	32.3	39.9	25.0	17.1	14.6	9.8	11.0
FCOC	Opequon Creek @ Neill Road ford												

Previously, Virginia's water quality standard for freshwater beach advisories or closures was a single sample maximum of 235 E. coli CFU/100 ml of sample. Virginia no longer has a single, instantaneous, sample maximum or any criteria for primary recreational contact in freshwaters.

Red indicates that the E. coli concentration exceeded 235 E .coli CFU/100 ml,