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Friends of the Shenandoah River's 2020 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	5/8	5/20	5/27	5/29	6/3	6/6	6/10	6/18	6/22	6/24	7/1	7/8	7/15	7/23	7/30	8/5	8/12	8/18
FC08	Main-stem Shenandoah River at Castleman's Ferry public boat ramp, Route 7 bridge	39.9	25.6			13.5	1732.6	74.9	461.1	65.7	98.4	42.0	1.0	6.3	172.2	34.4	18.9	31.3	275.5
FC05	Main-stem Shenandoah River at Lockes Landing public boat landing	41.4	33.6			36.4		52.9	49.5	73.3	60.2	42.6	22.8	27.2	307.6	36.4	60.2	45.9	307.6
FC01	Main-stem Shenandoah River at Berry's public boat ramp, Route 50 bridge	29.8	16.0	30.9		13.4	1533.1	33.6	45.0	52.0	47.1	24.1	12.2	18.7	35.9	25.4	26.5	62.0	396.8
FW35	Main-stem Shenandoah River at Morgan's Ford low H2O bridge public boat landing below confluence with Manassas Run	70.3	38.9	920.8	82.0	156.5		95.9	1203.3	81.3	125.9	59.1	86.0				105.0	73.8	436.0
FW35MID	Main-stem Shenandoah River at Morgan's Ford low H2O bridge mid width of river		9.8	35.9		14.8		43.2	185.0	44.1	75.2	31.3	25.6	8.4	23.1	19.2	45.7	28.5	
FW36	Manassas Run upstream of confluence with main-stem Shenandoah River, just upstream of public boat landing	111.9	290.0	1732.9	172.5	142.1		325.5	1732.9	166.4	1553.1	259.5	140.1	360.9	410.6	920.8	435.2	1119.9	328.2
FW14	SF Shenandoah River at Front Royal public boat landing off Luray Ave.	49.5	12.1	45.0		24.6		91.0	290.9	248.9	111.2	13.4	30.5	11.0	24.6	9.9	71.2	36.8	816.4
FWAGSP	SF Shenandoah River @ Raymond R. "Andy" Guest Jr., Shenandoah River State Park	19.9	25.9	25.9		9.8		35.9	139.6		50.4	13.5	21.3	7.3	36.4	11.1	65.0	82.0	365.4
FWIH	SF Shenandoah River at Indian Hollow public boat launch off Indian Hollow Road	22.8	29.5	33.1		10.9		67.7	95.8		54.8	14.8	14.8	9.6	7.3	11.1	67.0	67.0	547.5
FP03WL	SF Shenandoah River at the relocated White House public boat landing on west side of river. river left								579.4		140.1	21.8	8.6	14.8	34.1	19.2	68.9	124.6	410.6
FP02	SF Shenandoah River at Newport public boat ramp downstream of Riverside Campground/ Kite's Store	65.0	142.1	68.9		50.4		57.6	146.7		178.5	16.1	38.4	2.0	23.1	5.3	218.7	214.3	613.1
FSMB	NF Shenandoah River at Meems Bottom	81.3	33.1	88.2		54.8		151.5	920.8		93.3	111.2	79.4	93.3	39.9	28.1	151.5	35.9	85.7
FSDR	NF Shenandoah River at Deer Rapids public boat landing	52.1	25.6	32.7		31.7		24.6	44.1		44.1	21.6	135.4	44.8	9.8	25.4	19.9	7.5	60.2
FSSP	NF Shenandoah River at Strasburg Park public boat landing	48.0	35.5	30.5		22.3		64.4	96.1	46.4	43.5	38.8	44.8	18.7	42.2	62.4	37.3	23.1	62.0
FCOC	Opequon Creek @ Neill Road ford	56.5	71.2			101.7		148.3	209.8		579.4	72.3	488.4	85.2	>2419.6	313.0	172.3	119.8	95.9

Up until the middle of last year, 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,