

SUMMARY STATISTICS FOR CACAPON RIVER MONITORING SITES – 1996 TO 2012

CACAPON INSTITUTE, #10 ROCK FORD ROAD, GREAT CACAPON WWW.CACAPONINSTITUTE.ORG

SITE IDENTIFICATION (RIVER KM, DESCRIPTION)		UTM	
		NORTH	EAST
LOST RIVER SITES			
LRT1aCuRbrdg2	CULLERS RUN at 2nd Bridge		
LRT1CuR	CULLERS RUN near Rt 259	4301686.72	684635.81
LRM1MTH	CRkm166.4 - LOST RIVER ABOVE UPPER COVE RUN CONFLUENCE	4304796.76	685151.58
LRM2LC	CRkm157.5 - LOST RIVER AT LOST CITY	4311265.86	687791.40
LRM3LR	CRkm152.6 - LOST RIVER AT LOST RIVER (ABOVE BRANSON'S FARM)	4314683.69	690245.57
LRM4HR	CRkm137.6 - LOST RIVER AT HANGING ROCK	4324204.96	697642.66
LRT9WR	WRkm1.7 - WAITES RUN	4328321.23	709373.64
LRM5SG	CRkm132.1 - LOST RIVER AT SQUIRREL GAP	4324865.99	700115.22
NORTH RIVER SITES			
NRM2@FHRLD	NORTH RIVER AT FORD HILL ROAD (OLD 29)	4335402.86	697002.23
NRM4@RT50	NORTH RIVER AT ROUTE 50	4349292.56	711133.88
NRM5@IM	NORTH RIVER AT ICE MOUNTAIN	4357495.05	715842.48
CACAPON RIVER SITES			
CR1@USGS	CACAPON RIVER AT USGS GAGE STATION rKM 9.6	4384603.94	731101.77
CR4@Rt.127	CACAPON RIVER AT FORKS OF CACAPON/RT. 127	4364461.41	722341.01
CR6@AF	CACAPON RIVER AT ARNOLD'S FORD RKM 87.5	4344922.56	719452.33

TOTAL PHOSPHORUS (mg/l)

SITE	Number	Mean	Std Error	Minimum	10%	25%	Median	75%	90%	Maximum
CR1@USGS	169	0.02	0.01	0.00	0.00	0.01	0.02	0.03	0.04	0.15
CR4@Rt.127	130	0.03	0.01	0.00	0.01	0.01	0.02	0.03	0.05	0.11
CR6@AF	174	0.02	0.01	0.00	0.00	0.01	0.02	0.03	0.04	0.13
LRM1MTH	312	0.06	0.01	0.00	0.01	0.02	0.03	0.05	0.08	1.96
LRM2LC	213	0.03	0.01	0.00	0.00	0.01	0.02	0.03	0.06	0.63
LRM3LR	266	0.05	0.01	0.00	0.01	0.02	0.03	0.04	0.07	1.25
LRM4HR	304	0.06	0.01	0.00	0.01	0.01	0.03	0.05	0.10	2.10
LRM5SG	170	0.05	0.01	0.00	0.01	0.02	0.02	0.03	0.05	1.55
LRT1CuR	281	0.02	0.01	0.00	0.00	0.01	0.01	0.03	0.04	0.29
LRT1aCuRbrdg2	117	0.02	0.01	0.00	0.00	0.01	0.01	0.02	0.03	0.18
LRT9WR	230	0.03	0.01	0.00	0.00	0.01	0.02	0.03	0.05	0.76
NRM2@FHLD	181	0.02	0.01	0.00	0.00	0.00	0.01	0.02	0.03	0.38
NRM4@RT50	179	0.02	0.01	0.00	0.00	0.01	0.02	0.02	0.04	0.34
NRM5@IM	178	0.02	0.01	0.00	0.00	0.01	0.02	0.03	0.04	0.21

TURBIDITY
(NTU)

SITE	Number	Mean	Std Error	Minimum	10%	25%	Median	75%	90%	Maximum
CR1@USGS	189	5.6	4.0	0.1	0.9	1.3	2.1	4.6	11.0	79.2
CR4@Rt.127	137	5.0	4.7	0.5	1.1	1.6	2.6	5.7	10.3	31.5
CR6@AF	194	4.5	4.0	0.6	0.9	1.3	2.5	4.6	8.6	86.0
LRM1MTH	321	12.3	3.1	0.0	0.5	0.8	1.3	2.9	6.6	1680.0
LRM2LC	222	5.9	3.7	0.3	0.6	1.1	1.9	3.0	6.3	279.0
LRM3LR	274	9.7	3.3	0.0	0.9	1.4	2.3	3.9	8.2	470.0
LRM4HR	315	25.2	3.1	0.0	1.1	1.8	3.7	7.2	20.5	1630.0
LRM5SG	190	12.1	4.0	0.0	0.9	1.3	2.5	4.7	10.7	950.0
LRT1CuR	291	2.9	3.2	0.1	0.3	0.4	0.6	1.3	2.8	280.0
LRT1aCuRbrdg2	124	2.5	5.0	0.1	0.4	0.5	0.8	1.3	2.4	145.8
LRT9WR	246	3.0	3.5	0.0	0.4	0.7	1.2	2.1	3.8	201.0
NRM2@FHLD	188	5.3	4.0	0.2	0.4	0.7	1.2	2.4	4.2	219.0
NRM4@RT50	186	7.0	4.0	0.6	1.0	1.4	2.2	4.5	7.7	255.0
NRM5@IM	196	7.7	3.9	0.6	1.1	1.8	3.0	5.6	13.2	157.0

NITRATE-N
(mg/l)

SITE	Number	Mean	Std Error	Minimum	10%	25%	Median	75%	90%	Maximum
CR1@USGS	186	0.31	0.05	0.00	0.00	0.03	0.21	0.49	0.80	1.45
CR4@Rt.127	136	0.37	0.06	0.00	0.01	0.09	0.34	0.56	0.81	1.19
CR6@AF	192	0.45	0.05	0.00	0.00	0.11	0.36	0.68	1.00	1.80
LRM1MTH	295	2.44	0.04	0.10	0.73	1.37	2.20	3.24	4.58	7.75
LRM2LC	202	0.95	0.05	0.00	0.10	0.40	0.83	1.43	1.85	3.40
LRM3LR	248	0.90	0.04	0.00	0.13	0.39	0.84	1.30	1.75	3.20
LRM4HR	291	1.13	0.04	0.01	0.20	0.65	1.10	1.56	2.06	3.50
LRM5SG	191	0.89	0.05	0.00	0.10	0.46	0.87	1.21	1.61	3.60
LRT1CuR	267	1.65	0.04	0.26	0.76	1.10	1.52	2.10	2.70	5.28
LRT1aCuRbrdg2	129	0.71	0.06	0.04	0.16	0.36	0.67	0.97	1.37	1.92
LRT9WR	223	0.15	0.05	0.00	0.04	0.06	0.10	0.20	0.30	2.00
NRM2@FHLD	184	0.70	0.05	0.00	0.11	0.28	0.61	0.99	1.34	3.45
NRM4@RT50	183	0.43	0.05	0.00	0.02	0.10	0.39	0.61	0.92	1.93
NRM5@IM	194	0.39	0.05	0.00	0.04	0.11	0.30	0.54	0.87	1.85

FECAL COLIFORM BACTERIA (CFU/100 ML)

SITE	Number	Mean	Std Error	Minimum	10%	25%	Median	75%	90%	Maximum
CR1@USGS	173	62	255	1	3	3	7	23	75	2400
CR6@AF	176	108	253	1	3	3	13	40	117	4725
LRM1MTH	222	1006	225	3	10	33	105	310	1862	54500
LRM2LC	179	474	251	3	3	13	53	230	933	27800
LRM3LR	124	1612	302	3	3	17	69	210	810	94000
LRM4HR	225	708	224	1	3	10	36	115	657	52000
LRM5SG	170	104	258	1	3	3	8	41	153	2700
LRT1CuR	123	171	303	2	3	7	23	80	256	9333
LRT1aCuRbrdg2	47	70	490	2	3	7	28	64	138	790
LRT9WR	119	32	308	1	3	3	7	28	94	400
NRM2@FHLRD	21	70	733	3	3	10	23	77	172	633
NRM4@RT50	21	106	733	3	3	8	37	99	212	1133
NRM5@IM	176	205	253	3	3	11	44	130	255	13600

CONDUCTIVITY

SITE	Number	Mean	Std Error	Minimum	10%	25%	Median	75%	90%	Maximum
CR1@USGS	63	140.0	5.0	91.3	104.3	113.9	133.8	164.6	180.8	227.0
CR4@Rt.127	57	162.3	5.3	96.5	106.1	123.3	161.2	200.2	221.0	246.0
CR6@AF	65	144.7	5.0	92.7	107.2	113.9	133.3	175.9	197.2	207.0
LRM1MTH	98	148.4	4.0	2.3	88.5	110.6	137.6	204.0	224.1	265.0
LRM2LC	6	157.0	16.3	105.1	105.1	117.6	154.2	195.5	219.0	219.0
LRM3LR	62	166.9	5.1	94.9	105.4	118.0	154.9	216.5	233.4	251.0
LRM4HR	67	177.5	4.9	95.7	108.9	123.8	167.3	240.0	247.8	283.0
LRM5SG	61	168.8	5.1	98.8	107.0	124.2	176.1	211.0	226.8	250.0
LRT1CuR	99	104.6	4.0	39.1	67.7	83.8	109.2	120.4	135.1	204.0
LRT1aCuRbrdg2	94	100.3	4.1	37.2	58.7	66.6	92.9	125.2	157.0	228.0
LRT9WR	97	85.1	4.1	24.3	42.9	52.9	76.5	113.1	134.1	211.0
NRM2@FHLD	65	97.0	5.0	61.3	68.3	77.6	100.8	112.5	128.5	151.1
NRM4@RT50	64	103.2	5.0	63.4	76.0	84.9	105.8	119.8	127.1	150.3
NRM5@IM	61	125.3	5.1	75.3	86.5	100.2	115.8	140.9	184.9	217.0