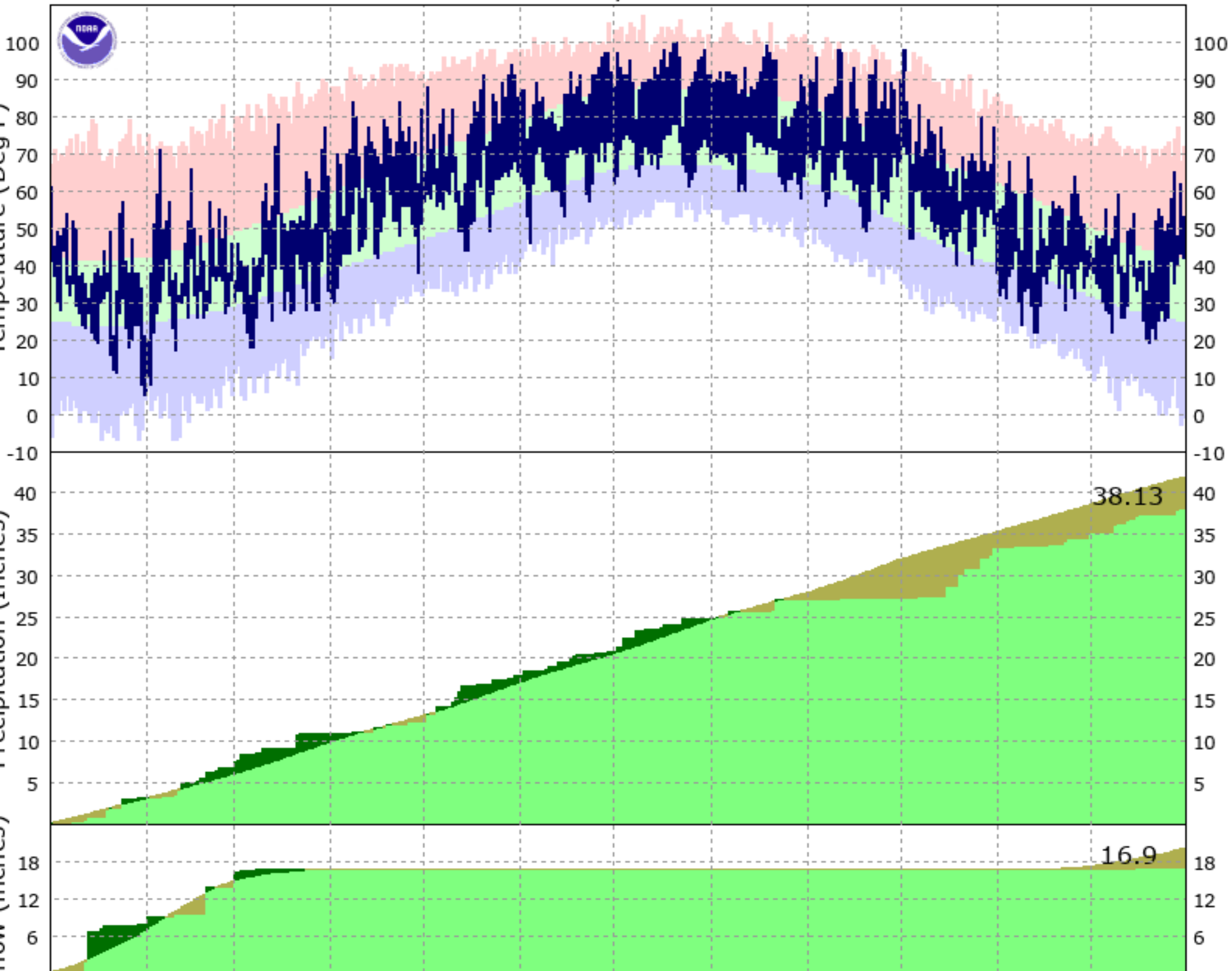


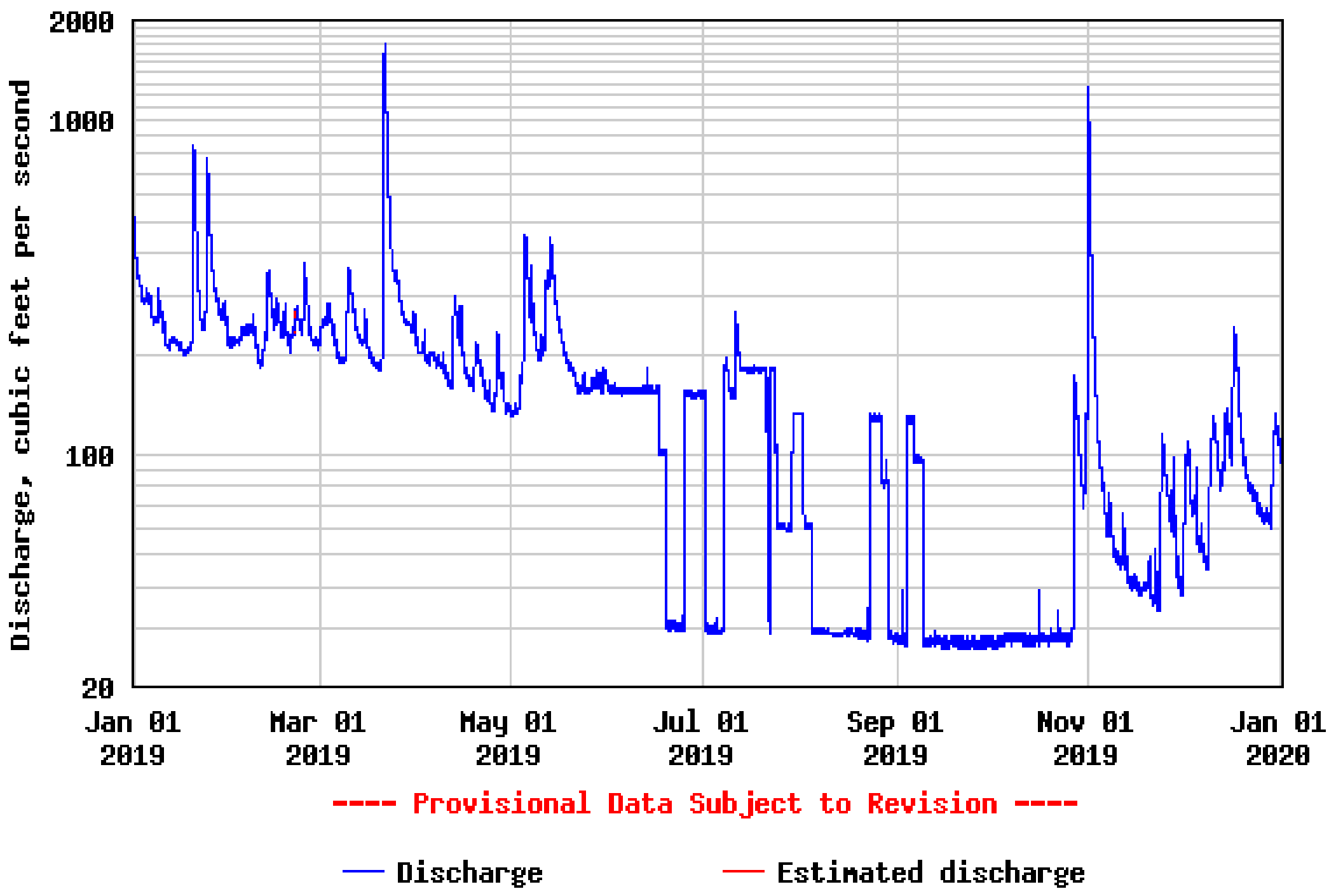
# Gunpowder Falls Tailwater Baltimore County, MD



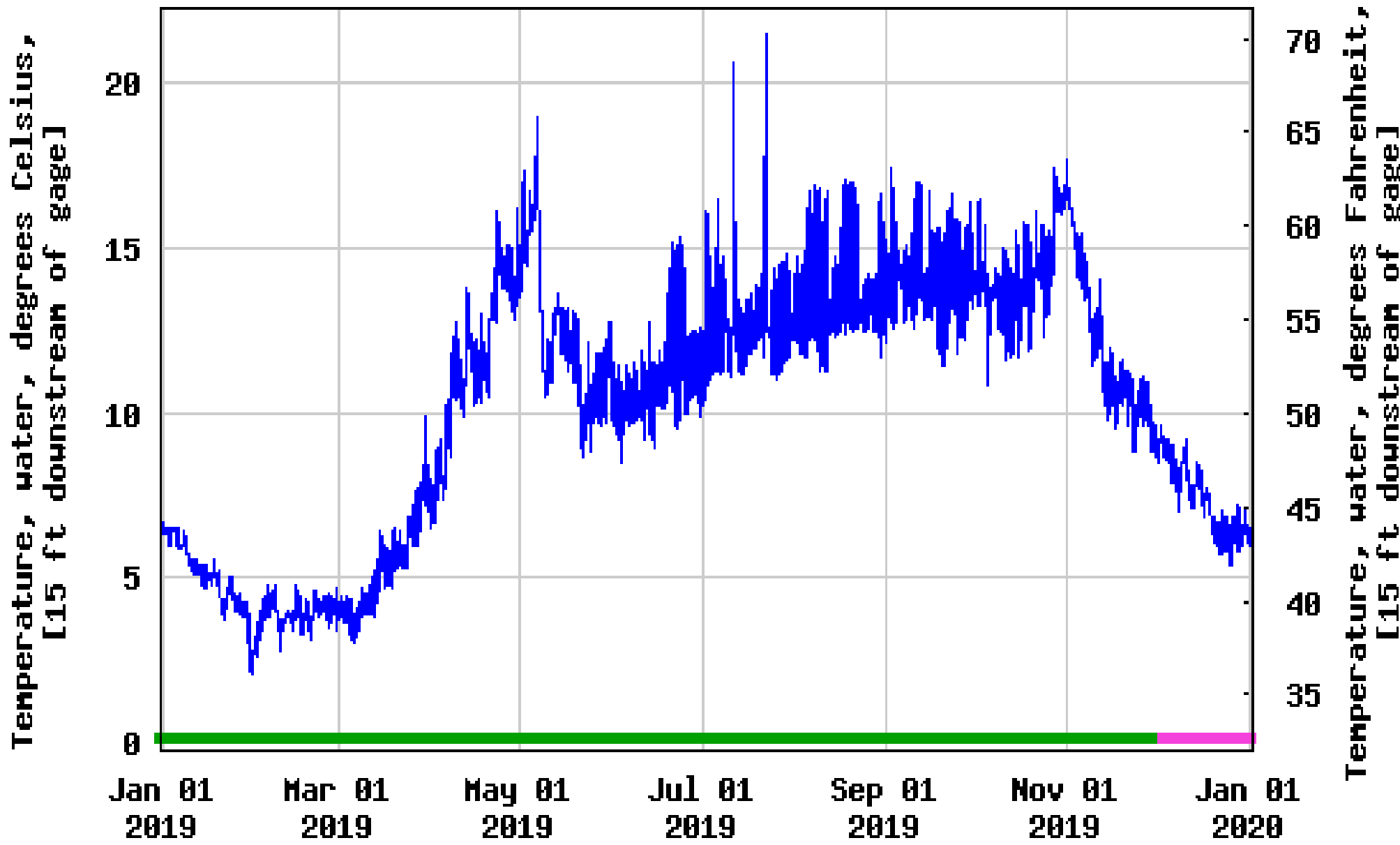
# BALTIMORE, MD - 2019



# USGS 01581920 GUNPOWDER FALLS NEAR PARKTON, MD



# USGS 01581920 GUNPOWDER FALLS NEAR PARKTON, MD



— Temperature  
— Period of approved data  
— Period of provisional data





















CS 5000

Unit/Cel

978

On/Off Zero



Young-of-Year brown trout data (yoy/hectare  $\pm$  95% CI) in the Gunpowder Falls tailwater (2001-2019).



Year	Dam/Falls	Masemore	Blue Mount
2001	31 $\pm$ 14	410 $\pm$ 116	253 $\pm$ 4
2002	365 $\pm$ 37	1447 $\pm$ 50	283 $\pm$ 147
2004	208 $\pm$ 57	536 $\pm$ 28	No Sample
2005	289 $\pm$ 650	1284 $\pm$ 54	634 $\pm$ 125
2006	371 $\pm$ 124	1189 $\pm$ 49	193 $\pm$ 13
2007	925 $\pm$ 111	811 $\pm$ 83	67 $\pm$ 16
2008	509 $\pm$ 77	1296 $\pm$ 76	131 $\pm$ 43
2009	44 $\pm$ 13	505 $\pm$ 49	229 $\pm$ 53
2010	31	289 $\pm$ 53	421 $\pm$ 34
2011	0	75 $\pm$ 8	77 $\pm$ 17
2012	245 $\pm$ 20	502 $\pm$ 11	131 $\pm$ 12
2013	19	235 $\pm$ 76	156 $\pm$ 14
2014	88 $\pm$ 9	808 $\pm$ 32	243 $\pm$ 10
2015	358 $\pm$ 91	1573 $\pm$ 155	200 $\pm$ 15
2016	94 $\pm$ 12	541 $\pm$ 224	220 $\pm$ 25
2017	220 $\pm$ 12	915 $\pm$ 126	40 $\pm$ 7
2018	31 $\pm$ 6	454 $\pm$ 20	No Sample
2019	88 $\pm$ 19	78 $\pm$ 15	54 $\pm$ 17





# Adult brown trout data in Gunpowder Falls at Dam/Falls Station (2001-2019).



Year	N	Mean TL (mm)	Mean W (g)	Mean K Factor
2001	205	204±5	87±7	0.93±.01
2002	145	221±5	109±8	0.95±.02
2004	126	261±5	188±14	1.01±.01
2005	152	262±6	192±15	0.99±.01
2006	280	233±12	125±10	0.91±.01
2007	305	223±4	109±6	0.91±.01
2008	251	220±4	109±6	0.97±.01
2009	266	209±4	89±6	0.90±.01
2010	245	215±3	99±5	0.96±.01
2011	181	220±5	107±7	0.95±.01
2012	123	236±5	133±7	0.98±.01
2013	173	213±6	105±8	0.96±.01
2014	123	222±6	117±9	1.00±.01
2015	146	215±6	111±15	1.01±.01
2016	237	198±4	79±5	0.96±.01
2017	187	224±4	115±6	0.98±.01
2018	193	209±5	94±10	0.92±.01
2019	186	231±6	129±14	0.94±.01









A person wearing a white t-shirt, khaki waders, a grey cap, and sunglasses is standing on the left side of the pond. They are holding a clipboard and looking down at it.

Two people are crouching on the muddy shore. One is wearing a blue t-shirt and the other is wearing a black t-shirt. They appear to be working with a white bucket and other equipment on the ground.

Several pieces of equipment are floating in the water, including what looks like a tray with a rock on it, a bucket, and other containers.

A scale is placed on a wooden board on the ground, with a white container on top of it.

# Adult brown trout data in Gunpowder Falls at Masemore Station (2001-2019).



Year	N	Mean TL (mm)	Mean W (g)	Mean K Factor
2001	429	215±4	105±7	0.93±.01
2002	316	216±4	100±6	0.91±.01
2004	254	247±5	161±13	0.99±.01
2005	333	237±4	142±8	0.98±.01
2006	385	212±8	96±6	0.89±.01
2007	218	214±5	103±7	0.96±.01
2008	189	215±6	107±9	0.97±.01
2009	250	210±5	98±8	0.93±.01
2010	282	222±4	114±7	0.97±.01
2011	261	225±5	120±9	0.94±.01
2012	143	246±6	152±11	0.96±.02
2013	211	225±5	118±9	0.94±.01
2014	270	228±5	125±9	0.96±.01
2015	153	216±6	108±11	0.97±.01
2016	428	193±4	76±6	0.93±.01
2017	236	213±5	101±8	0.95±.01
2018	435	189±4	72±6	0.91±.01
2019	307	215±4	103±7	0.94±.01













# Adult brown trout data in Falls at Blue Mount Station (Gunpowder 2001-2019).



Year	N	MeanTL (mm)	Mean W (g)	Mean K Factor
2001	359	211±4	90±6	0.88±.01
2002	314	215±5	97±8	0.85±.01
2005	212	223±6	133±13	0.93±.01
2006	323	205±10	91±8	0.87±.01
2007	200	213±7	100±13	0.87±.02
2008	176	237±7	151±17	0.98±.01
2009	145	235±9	147±21	0.94±.01
2010	228	214±6	107±12	0.93±.01
2011	223	227±6	135±15	0.98±.01
2012	209	230±6	124±12	0.90±.01
2013	262	235±6	139±12	0.94±.01
2014	131	229±7	127±15	0.94±.01
2015	158	215±7	111±15	0.95±.01
2016	255	216±6	108±14	0.91±.01
2017	214	217±7	108±12	0.91±.01
2018	N/S	N/S	N/S	N/S
2019	157	238±8	147±16	0.94±.01







# 2019 Fall Survey Summary



- Standing crop of adult brown trout at the D/F station was estimated at 139 lbs/ac. 5 yr avg = 122 lbs/ac.
- Standing crop of adult brown trout at the Masemore station was estimated at 68 lbs/ac. 5 yr avg = 60 lbs/ac.
- Standing crop of adult brown trout at the Bluemount station was estimated at 28 lbs/ac. 5 yr avg= 26 lbs/ac.