

Rappahannock high at Kelly's Ford and afterwards

June 22-23, 2018



Elio Londero, June 2018

Rapp. @ Remington historic highs

Top Ten Highest Historical Crests: Rappahannock River at Remington

Latitude: 38.531

Period of Record: 1889-Present

Longitude: -77.814

Flood Stage: 15

Last Flood: 9/30/2015

Total Number of Floods: 78

Date of Flood	Crest (ft)	Streamflow (cfs)	Wx Comments
10/16/1942	30.00	90,000	The remnants of the eighth tropical storm of the year produced torrential rains and caused the worst river flooding in the history of Virginia.
4/26/1937	29.20	-9,999	Heavy rains caused widespread flooding across most of Virginia. The Rappahannock basin was hit the hardest, but the Potomac River at Wisconsin Avenue rose to 14.3 feet. Six people died and total damages were well over \$1.5 million.
6/2/1889	26.70	-9,999	A mesoscale convective complex caused 9 inches of rain to fall in 36 hours with 4 inches of rain occurring in 8 hours. Most of Williamsport, Lock Haven, Muncy, Jersey Shore and Montgomery were submerged.
6/22/1972	24.82	52,900	Hurricane Agnes made landfall again over southeastern New York on June 22 and moved westward into Pennsylvania. Rainfall totals from June 20-25 range from 2-3 inches in the Upper Potomac to 18 inches near Shamokin, Pennsylvania.
9/7/1996	24.04	35,300	Hurricane Fran produced up to 16 inches of rain in the western part of Virginia and up to 7 inches in the Juniata Basin in Pennsylvania. Fran was the worst flood even to hit Maryland since Hurricane Hazel and the January 1996 Flood.
8/18/1955	23.52	45,100	Hurricane Diane made landfall 5 days after Hurricane Connie. Hurricane Diane produced several inches of rain with locally heavier amounts of 10 to 20 inches.
10/10/1976	21.97	36,800	A low pressure system and its slow moving front produced 2 to 5 inches of rainfall at most locations through the Mid-Atlantic Region.
3/5/1993	21.96	36,600	A slow-moving low pressure system dumped 1 to 4 inches of rainfall on top of frozen ground at lower elevations and up to 12" of snow in higher elevations.
2/15/1984	21.21	33,000	A strong closed low pressure system moved through the region and was quickly followed by a secondary low pressure system. Rainfall from both systems totaled 2 - 4 inches and widespread flooding was reported in 5 states.

Drainage Area: 619 sq mi

Gage Datum: 251.6 ft MSL

Created 8/12/2016 12:16:48 PM

County of Gage: Fauquier

Forecast Point: Fauquier



In the top 10 flows at Kelly's Ford?: *estimated* at **41,900 cfs!**

Previous highest record was in 1984 with 30.0 ft. and 90,000 cfs (?!).

Third highest was in 1955 with 21.2ft and 45.100 cfs.

This one is currently estimated at no less than 41,900! The gauge stopped on the 22nd and resumed 17 hours later with 26,500 cfs/21.3ft and going down.

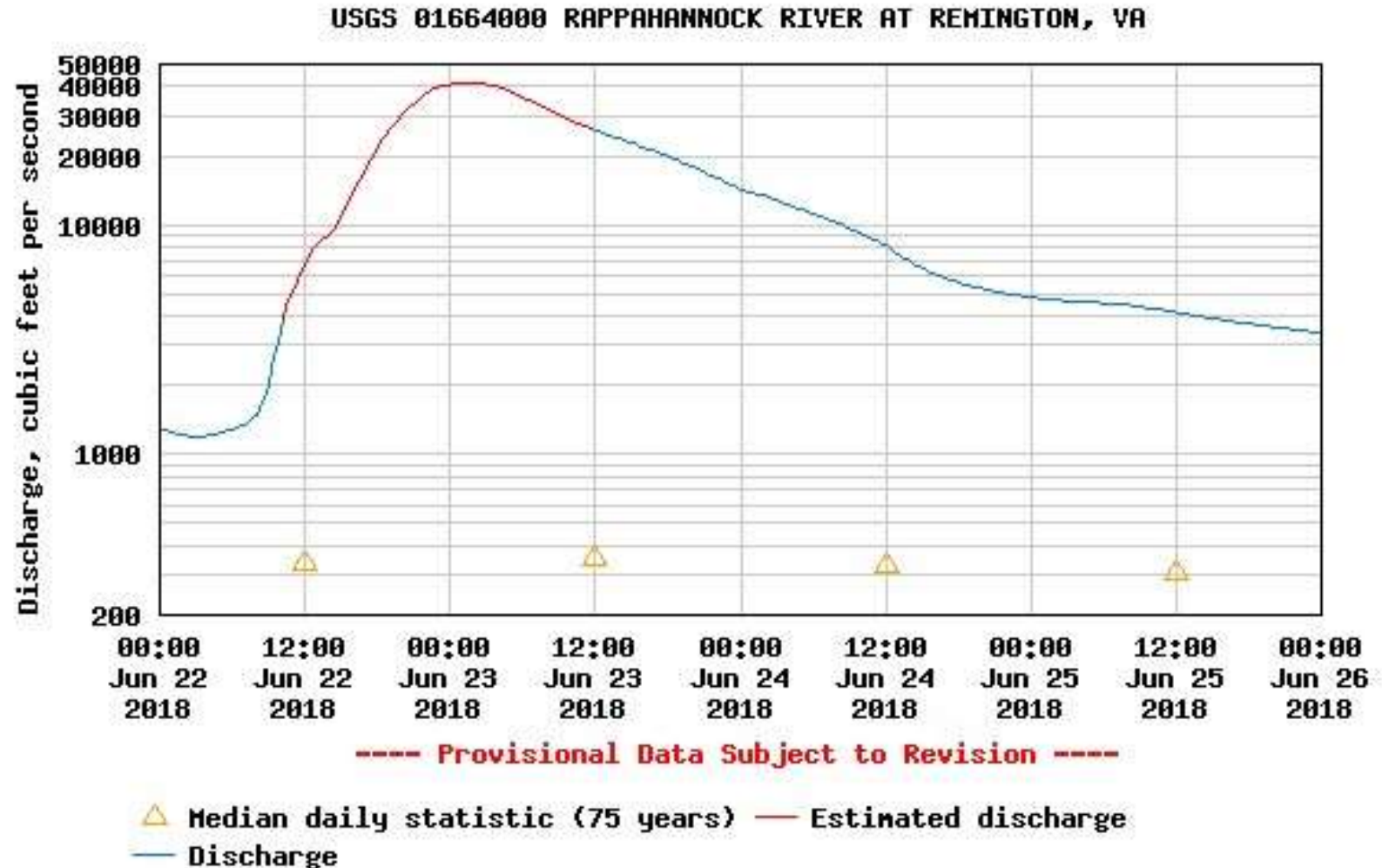
06/22/2018 12:30 EDT	7,880 ^{P e}	10.14 ^P
...
06/22/2018 14:30 EDT	9,730 ^{P e}	14.05 ^P
...		
06/22/2018 16:30 EDT	15,500 ^{P e}	14.05 ^P
06/22/2018 18:30 EDT	24,100 ^{P e}	n.a.
06/22/2018 20:30 EDT	31,800 ^{P e}	n.a.
...
06/22/2018 22:30 EDT	39,500 ^{P e}	n.a.
06/23/2018 00:30 EDT	41,900 ^{P e}	n.a.
06/23/2018 02:30 EDT	41,700 ^{P e}	n.a.
06/23/2018 04:30 EDT	39,800 ^{P e}	n.a.
06/23/2018 06:30 EDT	35,400 ^{P e}	n.a.
06/23/2018 08:30 EDT	31,000 ^{P e}	n.a.

p, estimated subject to revision; e estimated

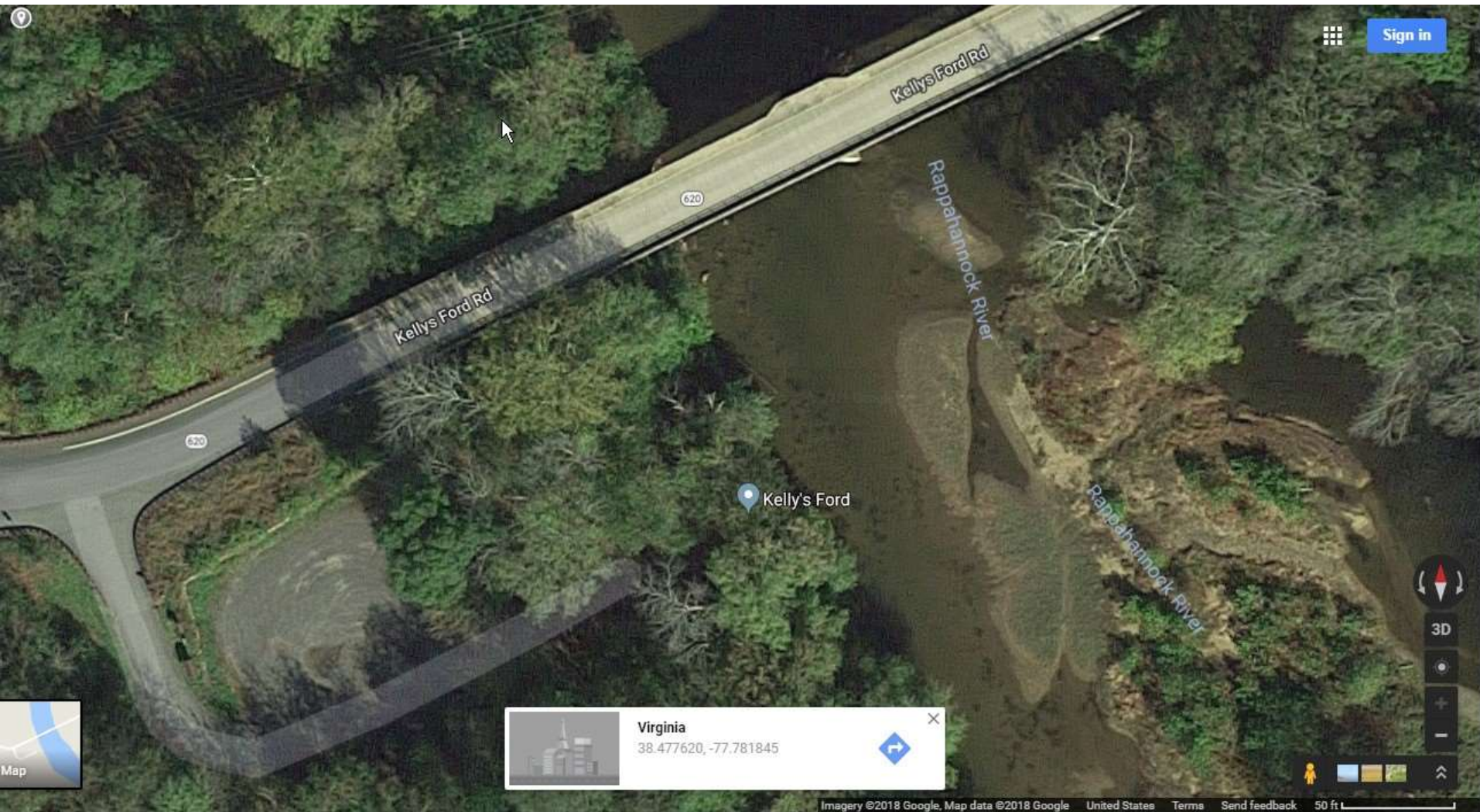
The broader picture

Discharge, cubic feet per second

Most recent instantaneous value: 3150 09-25-2018 01:15 EDT



Kelly's Ford Aerial View (low flow)



From the bridge upstream

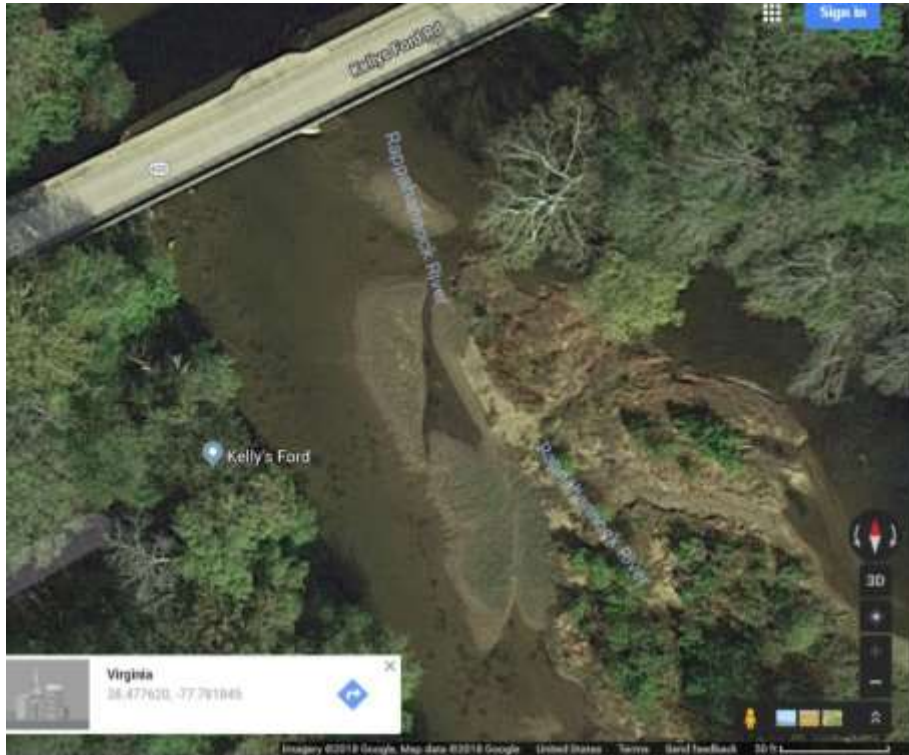
(all pics taken on **June 24**, 9:00-9:45, river about 9,500 cfs)



From the bridge downstream (1)



From the bridge downstream (2)



Upstream the bridge



At the boat launch (1)



At the boat launch (2), DS side



Going up to the parking area, DS side (1)



Going up to the parking area, DS side (2)

Mirta standing at the lowest end of the parking area



At the paved area, DS side



At the top end of the parking (1)



At the top end of the parking (2)

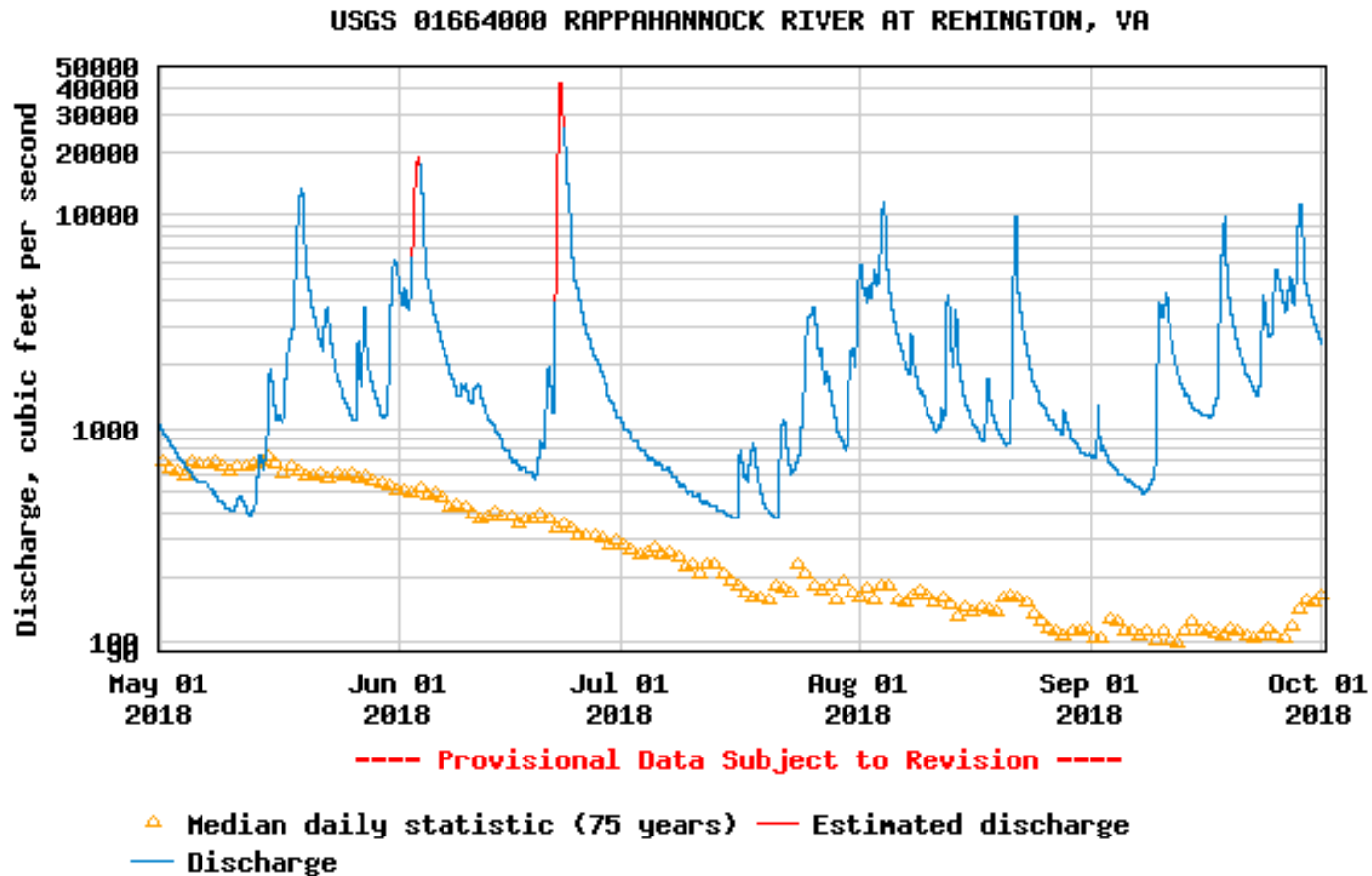


At the top end of the parking (3)



A Broader Look at the 2018 Fishing Season

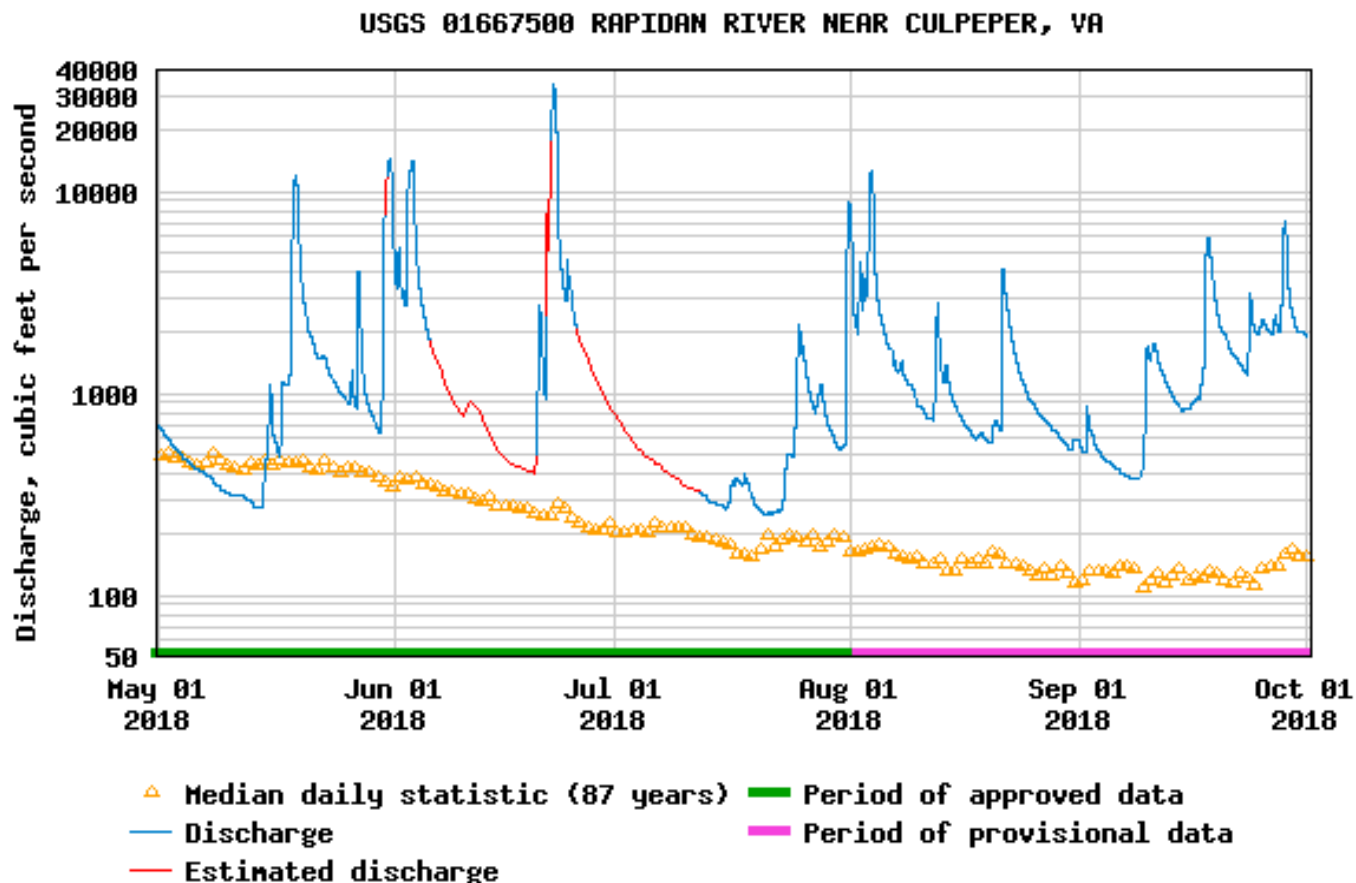
Rappahannock at Remington, discharge, cfs , May 1 to Oct 1, 2018



Daily discharge, cubic feet per second -- statistics for Oct 1 based on 76 years of record more

Min (1955)	25th percen- tile	Median	75th percen- tile	Mean	Most Recent Instantaneous Value Oct 1	Max (2000)
6.20	63	164	407	521	2520	7910

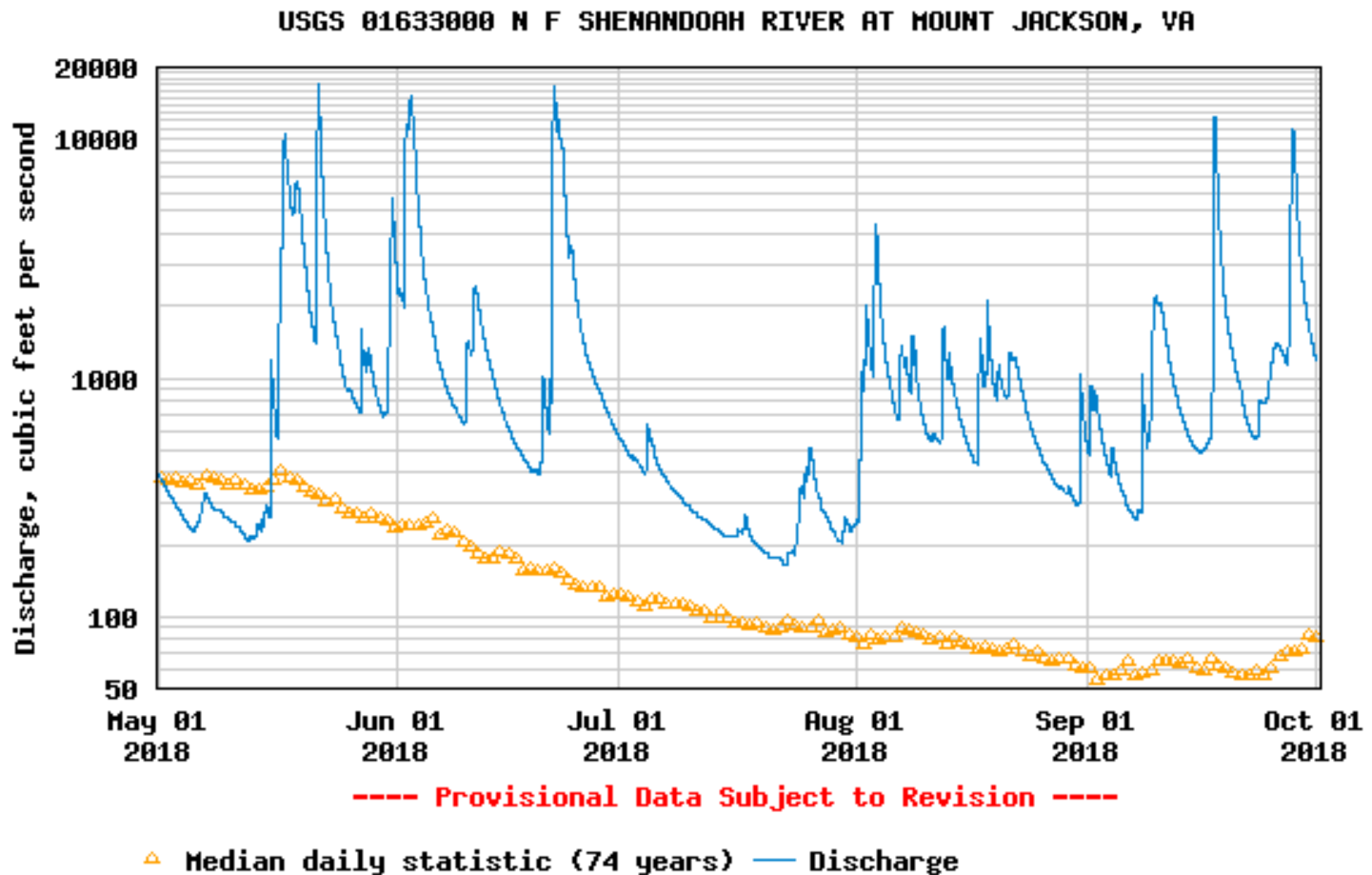
Rapidan at Culpeper, discharge, cfs , May 1 to Oct 1, 2018



Daily discharge, cubic feet per second -- statistics for Oct 1 based on 88 years of record more

Min (1955)	25th percen- tile	Median	75th percen- tile	Mean	Most Recent Instantaneous Value Oct 1	Max (2000)
8.80	60	155	399	405	1900	4210

NF of the Shenandoah at Mt Jackson, discharge, cfs , May 1 to Oct 1, 2018



Daily discharge, cubic feet per second -- statistics for Oct 1 based on 75 years of record more

Min (2018)	25th percentile	Median	75th percentile	Mean	Most Recent Instantaneous Value Oct 1	Max (1960)
18.9	37	80	185	253	1180	5150

The End