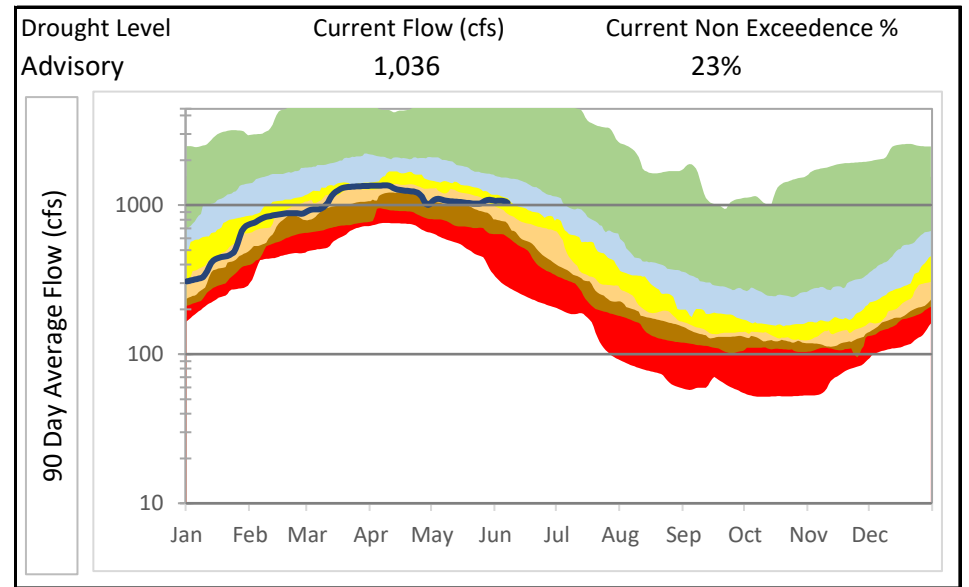
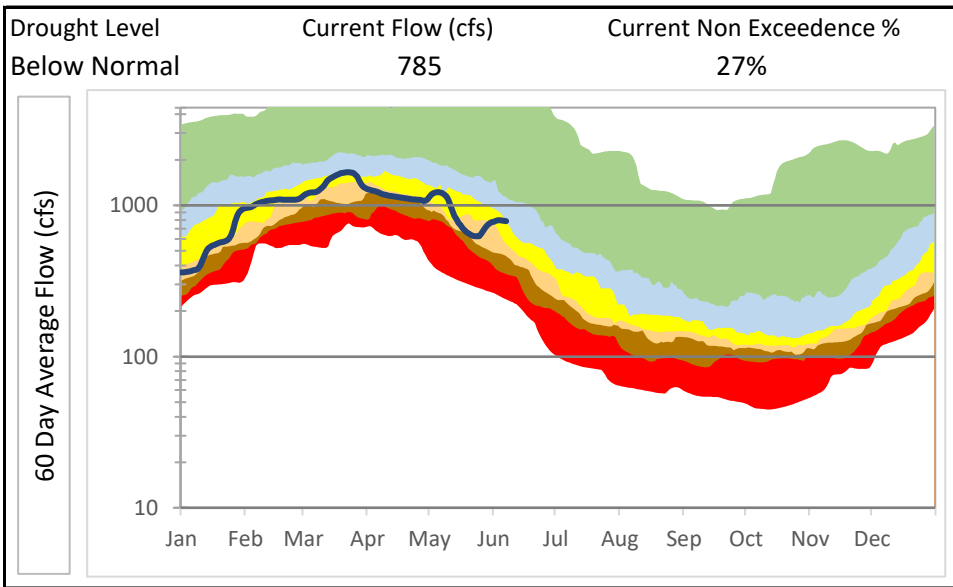
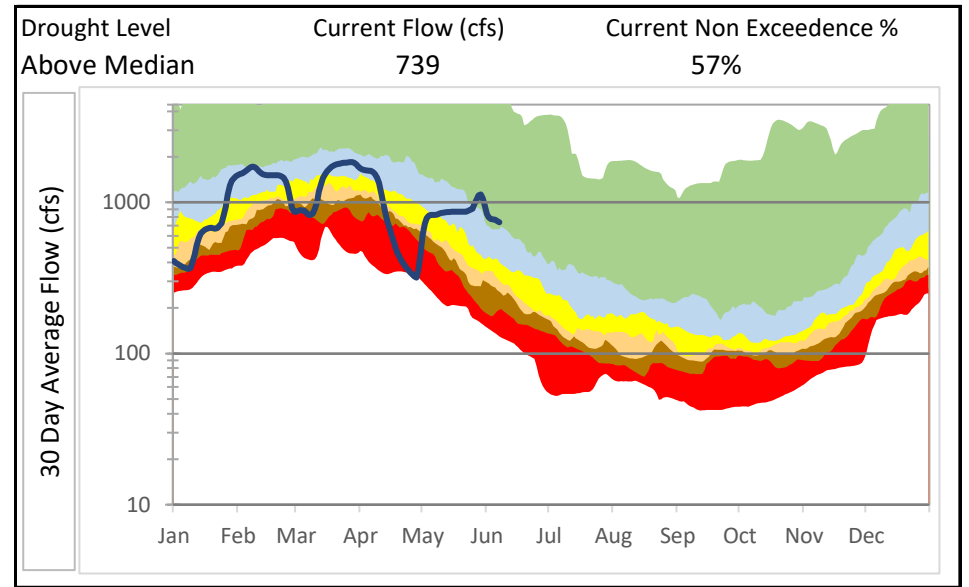
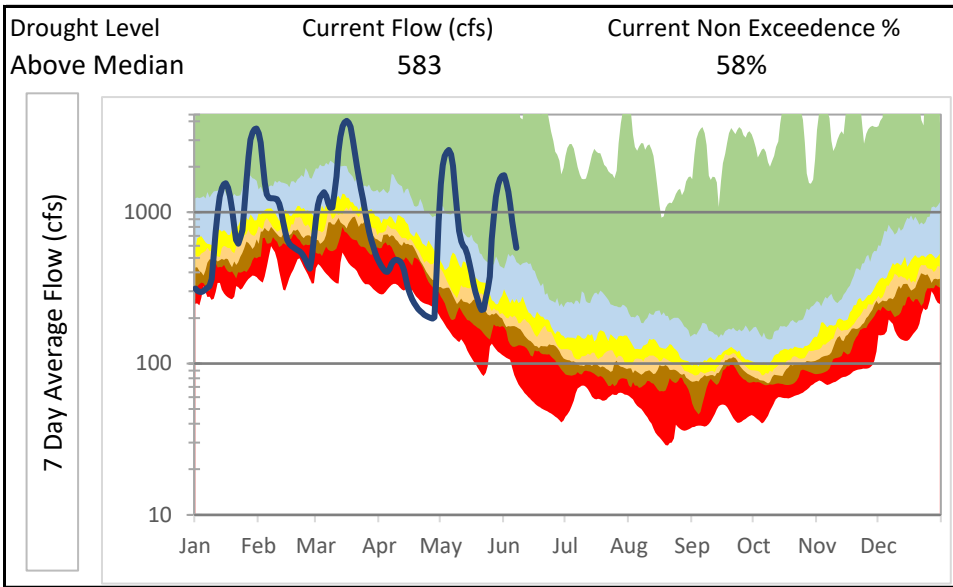


Gage #: 02443500

Name: LUXAPALLILA CREEK NR COLUMBUS, MS

Period of Record: 8/10/1928

- 6/7/2026



Legend: > 50% 50% - 25% 25% - 15% 15% - 10% 10% - 5% <5% current year data

*Disclaimer: USGS data used for this analysis. There may be some data gaps and/or provisional data

Gage #: 02443500

Name: LUXAPALLILA CREEK NR COLUMBUS, MS

Low Flow Statistics - Unregulated Site

Period of Record: 8/10/1928 - 6/7/2026

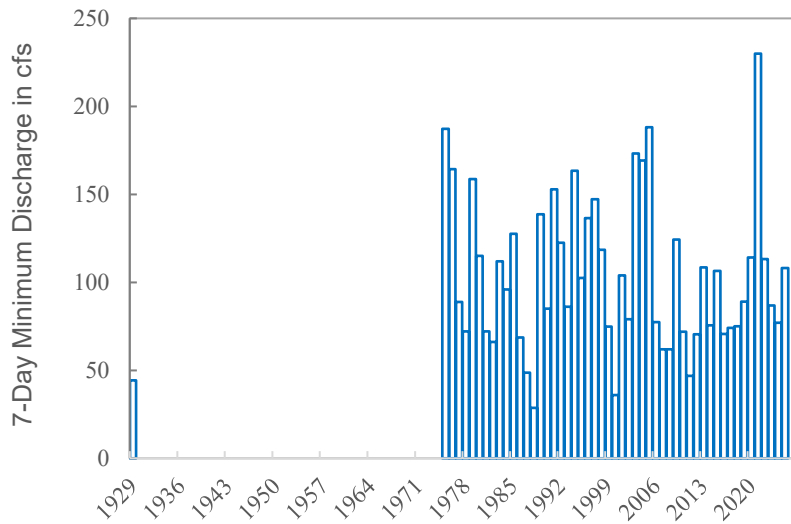
Average Flow: 1,131 cfs

Drainage Area: 715 square miles

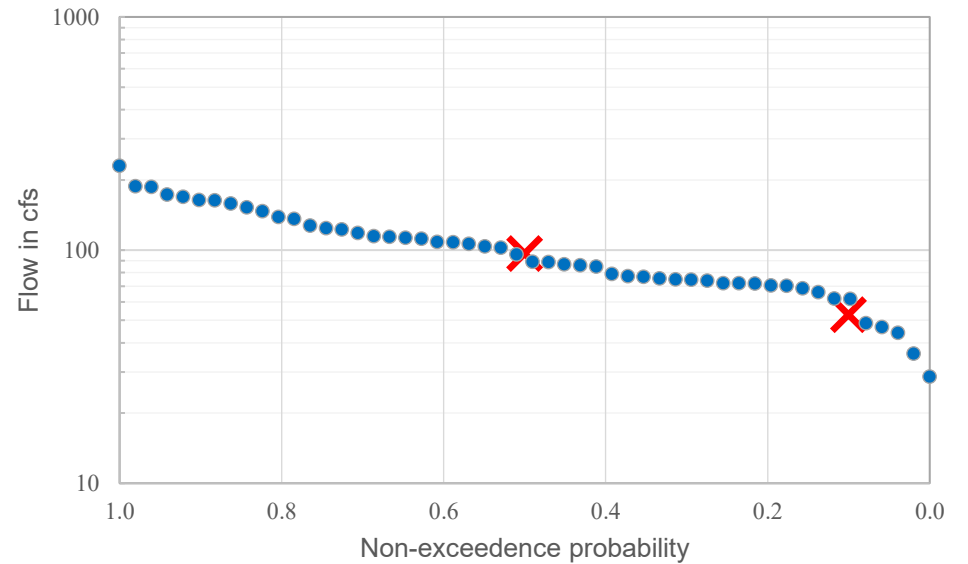
FLOW-DURATION CHARACTERISTICS

Percent Discharge	5	10	25	50	75	90	95	99	Discharge, in cubic feet per second, which was exceeded for indicated percentage of days
	3,865	2,570	1,280	538	213	119	92	60	

Plot of 7-Day Minimum Flows



Low-Flow (7-Day Minimum) Frequency Curve



LOW-FLOW CHARACTERISTICS

Low-Flow Characteristic
7Q2
7Q10

Discharge (CFS)
96.5
52.9

MONTHLY STATISTICS

	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Annual</u>
Monthly 7Q2	783	913	934	659	322	187	150	129	113	122	248	487	97
Monthly 7Q10	372	527	505	334	154	90	74	61	64	70	110	230	53

Gage #: 02443500

Name: LUXAPALLILA CREEK NR COLUMBUS, MS

Monthly Analysis

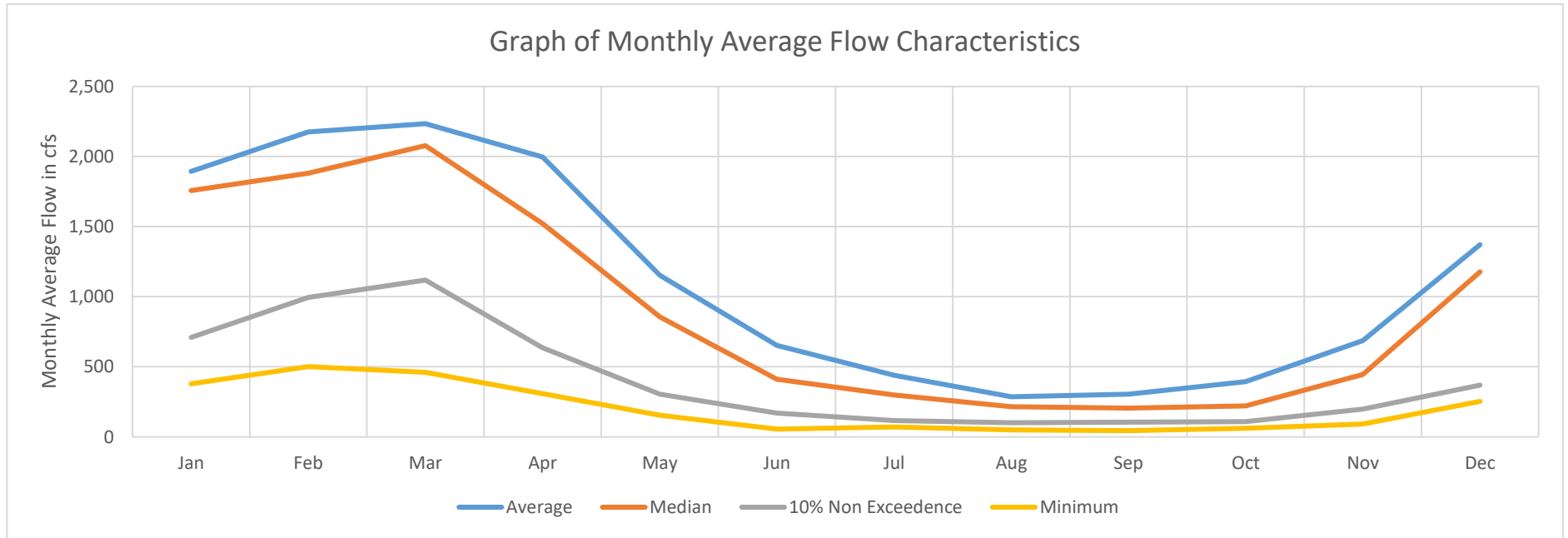
Period of Record:

8/10/1928

-

6/7/2026

Statistics of Monthly Average Flows



MONTHLY STATISTICS

	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>
Average	1,894	2,176	2,235	1,997	1,153	652	440	287	306	394	687	1,371
100%	5,054	7,257	6,465	5,671	7,073	3,787	1,855	1,201	1,901	3,015	3,011	5,840
98%	3,847	5,466	4,467	5,445	3,764	2,850	1,450	1,058	1,321	1,660	1,886	3,874
95%	3,675	4,560	4,008	4,570	2,560	1,791	1,214	581	946	1,028	1,833	3,205
90%	3,582	3,717	3,586	3,976	2,172	1,444	948	545	538	754	1,463	2,661
75%	2,236	2,518	2,775	2,723	1,352	710	569	375	349	460	999	1,668
50%	1,758	1,881	2,078	1,522	856	411	300	216	206	222	446	1,177
25%	1,089	1,337	1,455	880	441	249	183	148	135	140	267	636
10%	710	995	1,119	636	305	169	116	101	105	108	198	370
5%	484	811	782	498	191	137	85	79	96	91	170	328
2%	389	674	588	353	184	90	73	55	70	69	141	272
0%	380	501	461	308	154	56	70	50	45	61	91	253