Appendix K

Subbasin Monthly Flow Summaries

The summaries for each of the following 45 subbasin outlets include four pages as follows:

First page – Observed and estimated monthly flows in a tabular format from January 1975 through December 2014.

Second page – Monthly and annual streamflow percentiles in a tabular format along with a graphical representation of non-exceedance values.

Third page – A graph of selected monthly streamflow characteristics for each subbasin outlet and each monthly average streamflow divided into 10 equal increments. Above the graph, the drainage area for the subbasin outlet is listed. Under the graph is a tabular summary of selected monthly characteristics for the subbasin.

Fourth page - A graph of the average monthly streamflow for the subbasin outlet as well as 10th percentile increments of the non-exceedance flows. Under the graph is the tabular summary of selected monthly characteristics for the subbasin.

The monthly streamflows and percentiles are in units of cubic feet per second (CFS).

(CFS – cubic feet per second; DA – drainage area, in square miles; CFSM – cubic feet per second per square mile; Q5 – 5th non-exceedance flow percentile)

Monthly Flows (in CFS) for

03130002 - Middle Chattahoochee - Lake Harding Subbasin

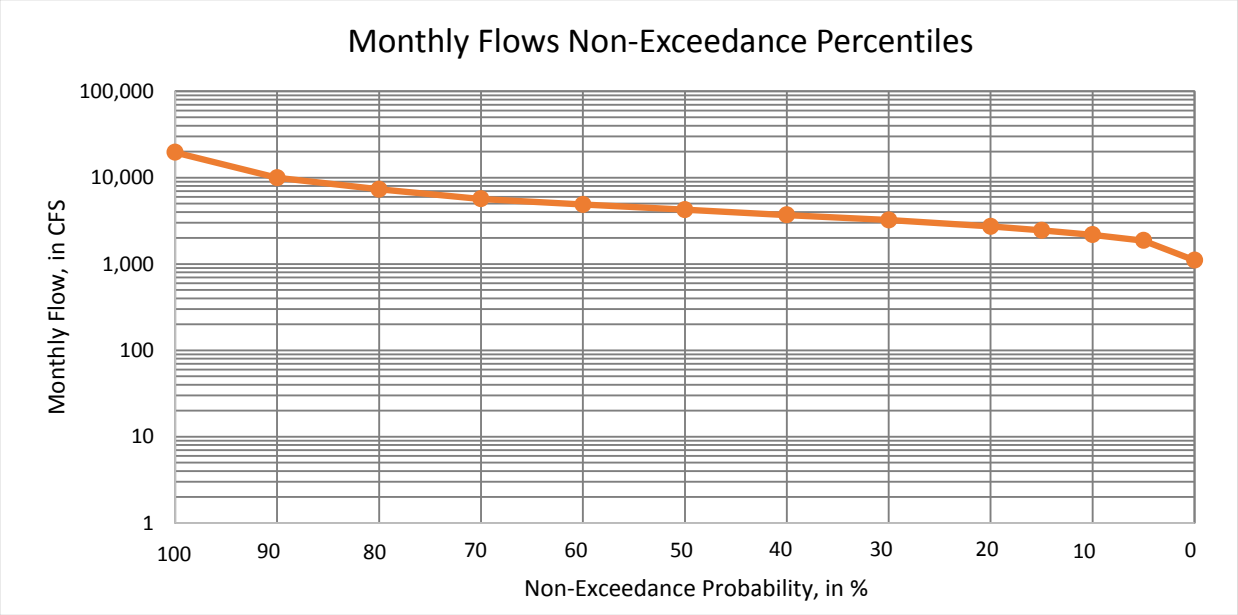
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	7,534	11,690	15,360	12,710	2,558	5,370	4,820	5,751	4,539	7,771	7,458	6,515	7,642
1976	9,349	9,108	13,280	9,426	8,521	7,817	6,169	3,944	3,336	2,363	3,296	6,658	6,932
1977	5,747	3,767	9,745	12,410	4,441	3,450	4,124	4,126	2,466	2,865	8,875	5,310	5,613
1978	10,380	8,729	5,623	2,737	6,809	1,807	2,618	4,084	4,652	3,945	3,137	2,812	4,764
1979	4,584	5,588	7,625	16,480	7,068	5,461	3,514	4,679	3,904	4,860	7,924	4,251	6,311
1980	7,103	8,084	15,110	12,360	10,520	5,176	4,372	5,417	4,526	3,646	2,037	2,721	6,753
1981	2,548	6,419	3,073	3,629	2,516	2,990	3,741	4,723	3,422	2,685	2,603	1,867	3,328
1982	5,663	10,920	3,861	6,116	3,260	3,417	3,287	4,421	3,869	2,543	4,193	10,080	5,096
1983	7,185	7,991	9,935	12,870	5,187	4,842	4,236	4,927	2,686	3,557	4,308	13,050	6,727
1984	8,899	7,571	9,122	7,871	8,998	4,757	4,522	8,890	5,201	2,534	4,116	4,403	6,408
1985	3,289	6,778	3,391	3,441	1,647	3,766	3,411	4,718	5,154	5,319	2,423	3,860	3,912
1986	2,170	3,332	2,500	2,485	2,896	2,735	3,088	1,585	1,606	1,619	3,319	4,401	2,640
1987	6,186	5,273	7,003	4,031	2,127	4,412	5,024	4,720	4,339	2,823	2,824	2,406	4,260
1988	3,852	4,869	1,921	1,961	2,400	3,134	1,672	1,612	2,392	3,088	3,611	3,110	2,785
1989	2,588	2,766	3,193	4,766	2,861	6,729	6,023	5,087	4,900	8,536	6,257	9,175	5,256
1990	11,120	18,980	19,540	7,254	5,128	4,178	4,422	4,398	3,633	3,985	4,358	3,607	7,486
1991	3,805	4,760	5,007	4,153	10,910	6,056	5,638	4,990	6,352	7,022	4,299	5,205	5,696
1992	5,016	6,539	5,675	4,914	3,927	3,273	5,081	4,241	4,781	5,044	10,950	14,880	6,193
1993	13,730	10,520	9,950	7,850	6,823	5,139	4,683	4,356	3,382	3,085	2,763	2,916	6,248
1994	4,792	5,735	5,866	5,066	3,576	3,868	10,560	7,425	7,782	4,768	4,925	8,456	6,078
1995	5,418	12,050	10,730	3,276	4,900	2,373	3,659	4,477	4,269	4,705	8,117	6,168	5,809
1996	9,879	16,090	14,880	6,402	6,135	4,277	4,574	4,186	3,569	3,010	3,856	4,512	6,729
1997	6,123	8,926	11,650	4,904	5,237	6,627	5,186	3,826	5,506	3,821	5,778	7,030	6,201
1998	9,981	15,830	16,710	10,580	7,389	4,990	4,647	4,073	3,507	1,584	3,433	3,319	7,116
1999	3,687	4,545	3,002	2,554	1,423	4,151	2,513	3,755	2,910	1,709	1,816	2,173	2,839
2000	2,387	3,745	3,136	4,126	2,913	3,134	2,375	2,989	2,127	2,109	2,803	3,248	2,916
2001	4,240	3,288	10,260	5,156	2,901	5,489	3,413	3,491	1,935	1,943	2,640	2,021	3,904
2002	3,769	3,651	2,838	3,589	3,367	2,138	2,231	2,221	2,066	2,232	5,231	7,427	3,396
2003	4,024	6,363	10,120	6,165	17,380	13,630	10,540	5,699	3,771	3,466	6,228	7,079	7,889
2004	4,978	7,389	3,505	3,434	2,080	2,530	3,925	3,761	8,965	3,947	7,863	9,601	5,141
2005	5,610	7,118	10,710	9,952	4,553	6,173	14,780	7,677	3,824	1,967	4,265	6,127	6,904
2006	7,905	6,541	5,724	4,868	4,887	3,035	2,307	1,859	2,018	2,228	3,681	3,199	4,007
2007	5,003	3,536	3,198	1,795	2,472	2,215	1,892	2,393	2,370	2,309	2,560	1,488	2,599
2008	1,102	3,439	3,219	2,446	2,385	1,424	1,265	2,154	1,308	1,532	2,888	4,280	2,280
2009	3,587	1,876	7,275	6,442	3,600	2,101	1,809	1,902	11,750	9,245	11,740	16,350	6,494
2010	10,590	12,280	11,340	4,058	7,585	3,733	2,790	2,707	1,595	2,118	2,839	4,057	5,445
2011	3,115	4,413	8,395	7,474	4,239	3,106	2,231	2,858	2,867	2,751	2,905	2,076	3,862
2012	3,844	2,301	4,781	3,330	2,250	1,719	2,365	1,670	1,644	2,284	3,194	2,039	2,623
2013	3,395	7,448	5,306	4,880	10,120	6,345	9,653	6,284	3,604	3,098	3,894	10,880	6,249
2014	8,344	7,220	5,653	9,945	4,499	3,212	3,191	3,210	2,500	2,605	2,602	4,082	4,737

Non-Exceedance Percentiles

03130002 - Middle Chattahoochee - Lake Harding Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	1,102	1,876	1,921	1,795	1,423	1,424	1,265	1,585	1,308	1,532	1,816	1,488	2,280
5th %	2,376	2,743	2,821	2,422	2,058	1,803	1,802	1,667	1,605	1,617	2,404	2,013	2,621
10th %	2,584	3,328	3,066	2,547	2,238	2,134	2,197	1,898	1,906	1,920	2,598	2,072	2,771
15th %	3,263	3,521	3,184	3,195	2,398	2,349	2,296	2,211	2,059	2,088	2,634	2,371	2,905
20th %	3,549	3,726	3,215	3,413	2,507	2,694	2,373	2,644	2,321	2,206	2,795	2,794	3,383
30th %	3,832	4,696	4,505	3,910	2,900	3,126	2,999	3,407	2,630	2,347	2,900	3,233	3,979
40th %	4,446	5,676	5,641	4,521	3,492	3,359	3,412	3,897	3,364	2,653	3,310	3,978	4,963
Median	5,010	6,540	6,435	4,909	4,340	3,817	3,833	4,156	3,587	2,938	3,769	4,341	5,529
60th %	5,697	7,288	8,686	6,136	4,892	4,331	4,392	4,407	3,842	3,245	4,222	5,247	6,124
70th %	7,128	8,019	10,001	7,320	5,506	5,035	4,658	4,719	4,395	3,858	4,528	6,558	6,268
80th %	8,455	9,390	10,852	9,530	7,132	5,467	5,102	5,009	4,805	4,718	6,234	7,633	6,727
90th %	10,021	12,073	14,903	12,365	9,110	6,373	6,517	5,804	5,591	5,489	7,943	10,160	6,950
Maximum	13,730	18,980	19,540	16,480	17,380	13,630	14,780	8,890	11,750	9,245	11,740	16,350	7,889
Average	5,813	7,187	7,730	6,198	5,062	4,269	4,409	4,132	3,876	3,518	4,550	5,571	5,182

	Flows in CFS
Minimum	1,102.0
5th %	1,867
10th %	2,173
15th %	2,443
20th %	2,718
30th %	3,217
40th %	3,685
Median	4,241
60th %	4,863
70th %	5,667
80th %	7,298
90th %	9,950
Maximum	19,540
Average	5,193

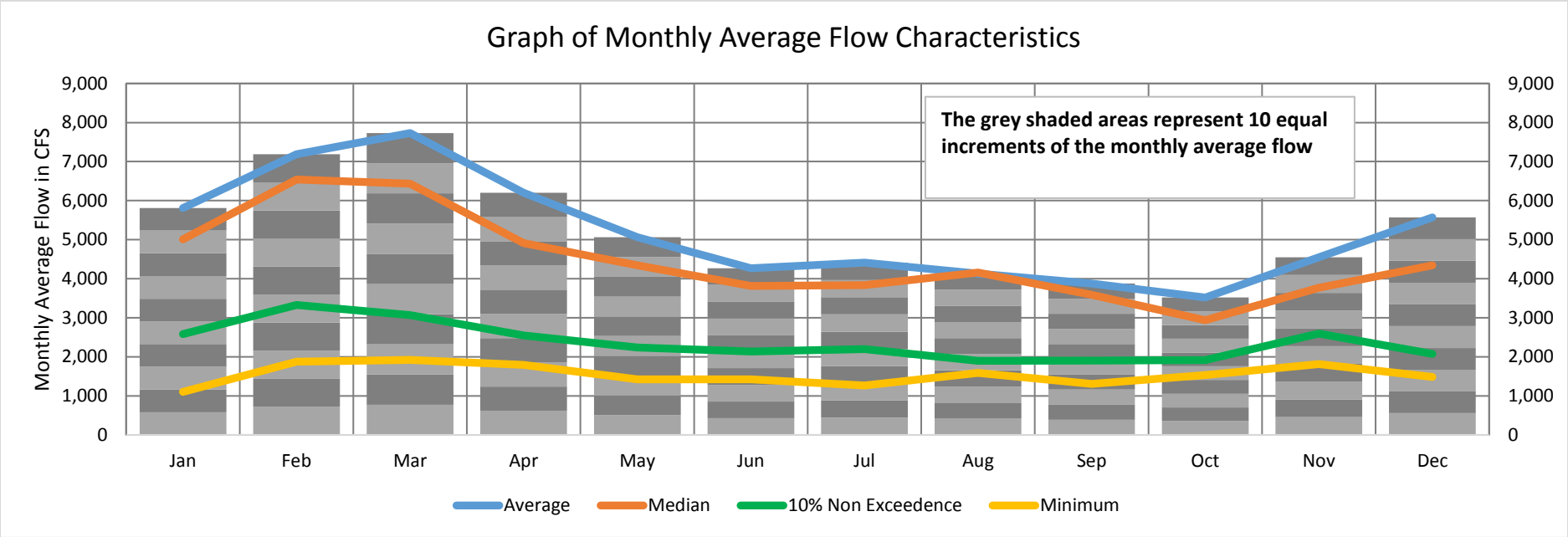


Q10/Q50	0.51
Q10/Q90	0.22
	CFSM*
Qmin/DA	0.31
Q5/DA	0.53
Q10/DA	0.61
Q15/DA	0.69
Q20/DA	0.77
Q30/DA	0.91
Q40/DA	1.04
Q50/DA	1.19
Q60/DA	1.37
Q70/DA	1.60
Q80/DA	2.06
Q90/DA	2.80
Qmax/DA	5.50

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

Site #: 03130002 Name: Middle Chattahoochee - Lake Harding Subbasin

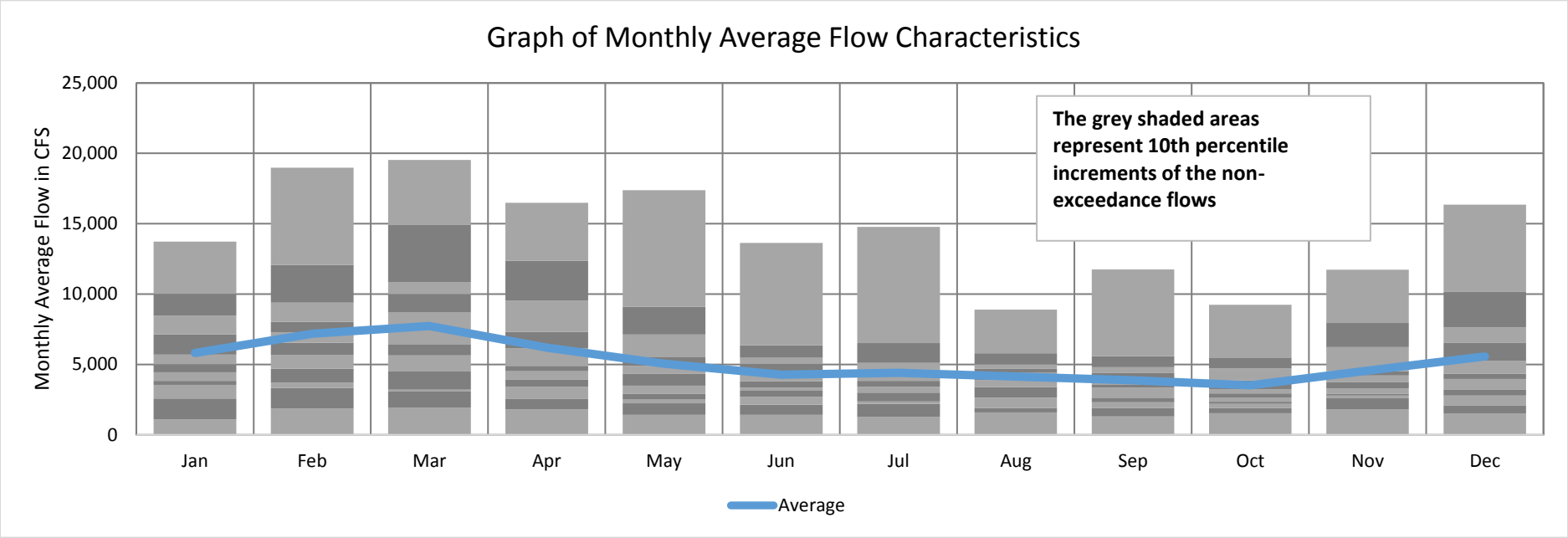
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	5,813	7,187	7,730	6,198	5,062	4,269	4,409	4,132	3,876	3,518	4,550	5,571
100%	13,730	18,980	19,540	16,480	17,380	13,630	14,780	8,890	11,750	9,245	11,740	16,350
98%	11,694	16,726	17,333	13,664	12,333	9,096	11,488	7,944	9,578	8,692	11,124	15,203
95%	10,617	15,843	15,428	12,718	10,540	6,783	10,541	7,438	7,841	7,809	8,979	13,142
90%	10,021	12,073	14,903	12,365	9,110	6,373	6,517	5,804	5,591	5,489	7,943	10,160
75%	7,627	8,778	10,373	7,855	6,813	5,225	4,871	4,774	4,567	3,957	5,368	7,042
50%	5,010	6,540	6,435	4,909	4,340	3,817	3,833	4,156	3,587	2,938	3,769	4,341
25%	3,749	4,252	3,477	3,552	2,785	3,024	2,592	2,956	2,448	2,271	2,835	3,062
10%	2,584	3,328	3,066	2,547	2,238	2,134	2,197	1,898	1,906	1,920	2,598	2,072
5%	2,376	2,743	2,821	2,422	2,058	1,803	1,802	1,667	1,605	1,617	2,404	2,013
2%	1,935	2,208	2,373	1,924	1,598	1,654	1,582	1,606	1,532	1,573	1,988	1,784
0%	1,102	1,876	1,921	1,795	1,423	1,424	1,265	1,585	1,308	1,532	1,816	1,488

Site #: 03130002 Name: Middle Chattahoochee - Lake Harding Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 3,550 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	5,813	7,187	7,730	6,198	5,062	4,269	4,409	4,132	3,876	3,518	4,550	5,571
100%	13,730	18,980	19,540	16,480	17,380	13,630	14,780	8,890	11,750	9,245	11,740	16,350
98%	11,694	16,726	17,333	13,664	12,333	9,096	11,488	7,944	9,578	8,692	11,124	15,203
95%	10,617	15,843	15,428	12,718	10,540	6,783	10,541	7,438	7,841	7,809	8,979	13,142
90%	10,021	12,073	14,903	12,365	9,110	6,373	6,517	5,804	5,591	5,489	7,943	10,160
75%	7,627	8,778	10,373	7,855	6,813	5,225	4,871	4,774	4,567	3,957	5,368	7,042
50%	5,010	6,540	6,435	4,909	4,340	3,817	3,833	4,156	3,587	2,938	3,769	4,341
25%	3,749	4,252	3,477	3,552	2,785	3,024	2,592	2,956	2,448	2,271	2,835	3,062
10%	2,584	3,328	3,066	2,547	2,238	2,134	2,197	1,898	1,906	1,920	2,598	2,072
5%	2,376	2,743	2,821	2,422	2,058	1,803	1,802	1,667	1,605	1,617	2,404	2,013
2%	1,935	2,208	2,373	1,924	1,598	1,654	1,582	1,606	1,532	1,573	1,988	1,784
0%	1,102	1,876	1,921	1,795	1,423	1,424	1,265	1,585	1,308	1,532	1,816	1,488

Monthly Flows (in CFS) for

03130003 - Middle Chattahoochee-Walter F. George Subbasin

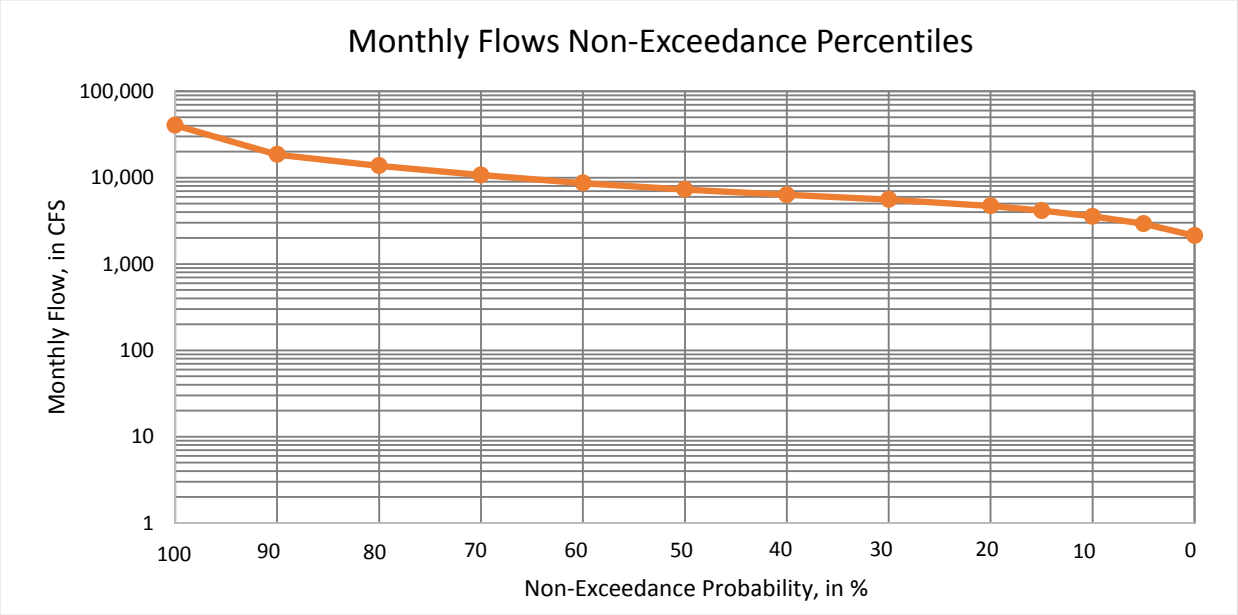
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975										15,526	12,600	12,289	
1976	16,412	14,875	19,759	14,301	14,707	12,751	9,681	7,191	6,563	6,251	9,870	18,247	12,550
1977	14,945	8,538	21,722	18,186	8,213	6,305	5,237	6,579	6,157	5,762	15,069	10,644	10,621
1978	28,415	16,509	19,421	10,347	16,981	8,494	5,959	11,128	7,426	5,862	4,526	5,237	11,696
1979	11,548	21,032	18,891	29,883	11,754	7,910	6,316	7,085	7,302	7,631	10,662	8,427	12,282
1980	11,522	13,124	31,305	24,910	18,343	8,453	7,280	7,230	5,929	4,978	4,969	4,734	11,897
1981	4,689	14,804	7,011	12,494	4,870	5,176	5,426	6,128	4,990	3,405	3,047	4,034	6,269
1982	13,532	23,427	9,915	13,178	7,924	6,204	6,305	8,599	5,825	5,368	5,837	19,412	10,383
1983	14,760	18,465	24,002	23,993	8,778	8,272	7,256	6,639	6,233	6,458	7,142	22,067	12,808
1984	17,453	15,016	19,508	13,718	14,354	6,858	7,290	13,603	7,390	5,046	5,156	7,091	11,038
1985	6,004	14,036	9,250	7,134	4,518	4,528	4,670	7,912	7,179	5,908	3,712	8,241	6,880
1986	6,920	9,545	12,316	5,305	4,782	3,959	4,672	2,378	2,336	2,454	7,398	10,113	6,000
1987	15,236	14,619	17,829	9,717	5,674	9,311	9,165	5,406	5,630	5,320	3,116	4,914	8,801
1988	9,098	10,437	7,462	7,026	6,387	4,566	2,493	2,121	4,294	5,617	6,166	5,474	5,896
1989	5,644	4,811	8,284	14,169	6,811	11,155	14,275	8,170	7,707	10,455	10,922	17,959	10,063
1990	23,384	26,747	40,382	12,956	8,459	8,571	5,084	5,298	4,539	4,583	5,611	5,067	12,491
1991	7,758	11,468	15,869	8,959	17,383	10,608	9,485	8,585	9,834	7,791	5,306	8,654	10,147
1992	12,209	16,342	14,857	8,346	6,719	5,195	6,618	6,206	8,050	6,672	21,239	22,420	11,203
1993	20,720	15,113	21,325	14,795	10,185	6,029	5,630	6,490	5,054	5,428	5,971	7,123	10,308
1994	8,230	15,438	14,204	9,409	7,352	5,324	33,827	11,280	11,003	9,376	9,735	11,968	12,273
1995	11,388	23,659	20,270	7,732	7,057	4,542	5,773	6,435	5,483	8,395	12,137	11,593	10,295
1996	14,884	24,773	27,258	12,725	9,744	6,736	7,235	6,305	6,161	6,815	5,355	8,530	11,306
1997	13,151	19,594	16,789	10,221	9,349	10,041	9,172	6,863	7,001	5,957	10,392	21,058	11,591
1998	20,080	30,222	34,348	18,917	12,102	6,008	7,091	6,229	5,721	5,022	6,319	5,744	13,053
1999	6,575	10,680	8,620	4,906	4,510	7,412	4,810	7,065	3,887	3,005	3,142	3,676	5,659
2000	5,865	8,464	6,722	9,113	5,037	3,953	3,129	3,597	3,039	2,808	3,346	5,759	5,044
2001	7,209	5,940	25,791	12,128	5,395	9,247	4,594	4,487	3,045	2,769	2,870	3,063	7,226
2002	4,356	7,295	6,987	6,637	3,955	3,374	3,317	2,946	2,637	2,416	6,471	10,347	5,046
2003	5,911	11,959	18,526	12,840	20,686	18,099	17,584	10,041	5,848	5,578	7,234	8,847	11,939
2004	9,789	14,892	6,132	5,311	3,775	3,759	5,662	4,858	13,053	6,558	12,298	12,956	8,195
2005	10,077	13,124	21,834	22,317	8,076	12,164	21,161	14,919	6,573	4,052	6,296	9,171	12,482
2006	11,656	11,691	12,316	7,616	7,386	3,679	3,353	2,631	3,417	3,144	6,454	5,189	6,516
2007	9,942	7,489	8,816	6,210	4,014	2,904	2,641	3,173	2,739	2,790	2,597	2,326	4,625
2008	5,337	12,004	8,424	7,298	4,029	2,401	2,526	6,323	2,538	3,565	5,359	12,831	6,022
2009	8,368	4,459	22,541	21,075	9,482	5,230	3,421	3,964	13,913	14,860	22,100	39,950	14,177
2010	24,040	23,940	21,110	8,266	13,790	5,606	4,223	4,347	2,917	4,229	3,739	6,345	10,156
2011	5,563	10,440	14,210	11,380	4,415	3,552	3,602	4,032	4,797	3,555	4,046	2,359	5,960
2012	8,090	6,269	9,776	6,146	3,048	3,344	4,020	2,544	2,923	3,108	3,497	2,771	4,622
2013	5,948	24,450	13,020	9,585	12,120	8,709	17,030	12,010	5,143	4,705	4,629	16,320	11,075
2014	13,560	15,300	11,310	27,040	7,972	4,918	4,980	4,976	4,348	4,482	3,724	6,552	9,036

Non-Exceedance Percentiles

03130003 - Middle Chattahoochee-Walter F. George Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	4,356	4,459	6,132	4,906	3,048	2,401	2,493	2,121	2,336	2,416	2,597	2,326	4,622
5th %	5,272	5,827	6,961	5,310	3,937	3,300	2,630	2,527	2,627	2,753	3,038	2,750	5,002
10th %	5,627	7,090	7,372	6,197	4,026	3,516	3,279	2,883	2,881	2,806	3,140	3,615	5,537
15th %	5,897	8,171	8,382	6,909	4,482	3,735	3,401	3,470	3,004	3,093	3,474	4,629	5,941
20th %	5,981	9,142	8,737	7,232	4,676	3,957	3,853	4,005	3,268	3,353	3,722	5,037	6,013
30th %	7,428	10,995	10,473	8,298	5,507	4,707	4,671	4,905	4,424	4,176	4,598	5,663	7,019
40th %	8,514	12,228	13,257	9,444	6,860	5,249	5,115	6,143	5,072	4,869	5,335	6,876	9,241
Median	10,077	14,619	15,869	10,347	7,924	6,029	5,662	6,323	5,721	5,344	5,904	8,479	10,295
60th %	11,634	14,991	18,818	12,678	8,410	6,834	6,313	6,627	6,112	5,675	6,373	9,548	10,955
70th %	13,549	15,981	20,066	13,502	9,639	8,380	7,247	7,149	6,569	6,045	7,283	11,706	11,477
80th %	15,061	20,169	21,767	16,152	12,109	8,924	9,168	8,336	7,337	6,701	10,446	13,629	12,073
90th %	20,208	24,042	26,084	22,652	15,162	10,717	14,826	11,158	8,407	8,493	12,328	19,577	12,503
Maximum	28,415	30,222	40,382	29,883	20,686	18,099	33,827	14,919	13,913	15,526	22,100	39,950	14,177
Average	11,545	14,641	16,618	12,469	8,721	6,804	7,487	6,558	5,862	5,693	7,251	10,238	9,426

	Flows in CFS
Minimum	2,121.0
5th %	2,920
10th %	3,552
15th %	4,138
20th %	4,705
30th %	5,578
40th %	6,316
Median	7,280
60th %	8,620
70th %	10,680
80th %	13,718
90th %	18,526
Maximum	40,382
Average	9,479

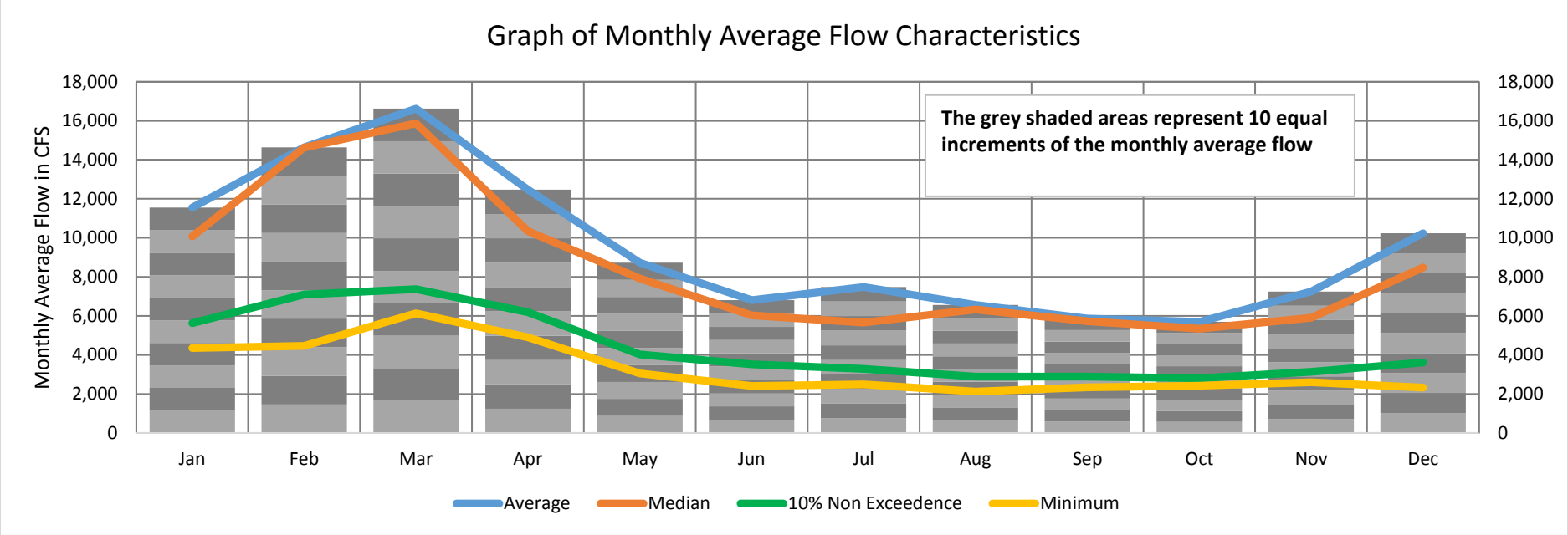


Q10/Q50	0.49
Q10/Q90	0.19
	CFSM*
Qmin/DA	0.28
Q5/DA	0.39
Q10/DA	0.48
Q15/DA	0.55
Q20/DA	0.63
Q30/DA	0.75
Q40/DA	0.85
Q50/DA	0.98
Q60/DA	1.16
Q70/DA	1.43
Q80/DA	1.84
Q90/DA	2.48
Qmax/DA	5.41

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

Site #: 03130003 Name: Middle Chattahoochee-Walter F. George Subbasin

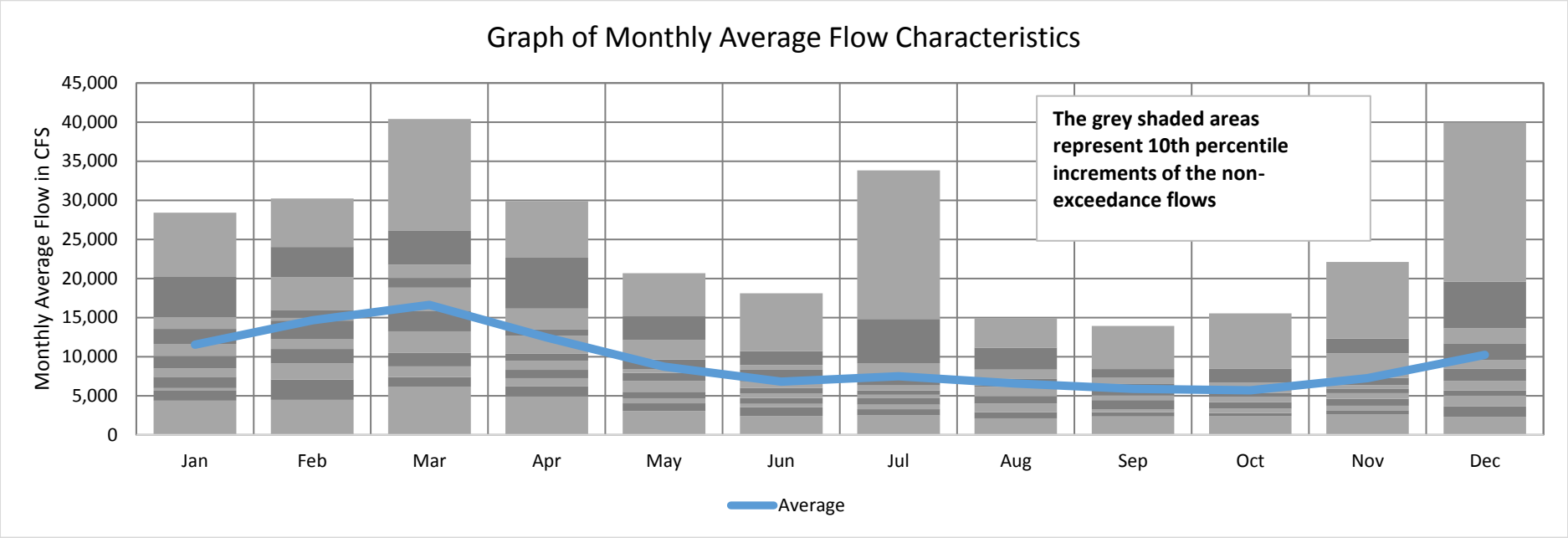
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	11,545	14,641	16,618	12,469	8,721	6,804	7,487	6,558	5,862	5,693	7,251	10,238
100%	28,415	30,222	40,382	29,883	20,686	18,099	33,827	14,919	13,913	15,526	22,100	39,950
98%	25,090	27,581	35,796	27,722	18,905	14,035	24,201	13,919	13,260	15,007	21,428	26,277
95%	23,449	24,971	31,609	25,123	17,479	12,223	17,942	12,169	11,208	10,676	15,377	22,085
90%	20,208	24,042	26,084	22,652	15,162	10,717	14,826	11,158	8,407	8,493	12,328	19,577
75%	14,822	17,487	21,218	14,235	10,970	8,532	7,285	7,571	7,090	6,483	9,769	12,424
50%	10,077	14,619	15,869	10,347	7,924	6,029	5,662	6,323	5,721	5,344	5,904	8,479
25%	6,748	10,439	9,513	7,674	4,954	4,535	4,409	4,417	4,090	3,562	3,969	5,225
10%	5,627	7,090	7,372	6,197	4,026	3,516	3,279	2,883	2,881	2,806	3,140	3,615
5%	5,272	5,827	6,961	5,310	3,937	3,300	2,630	2,527	2,627	2,753	3,038	2,750
2%	4,609	4,727	6,580	5,209	3,601	2,784	2,518	2,316	2,490	2,445	2,810	2,352
0%	4,356	4,459	6,132	4,906	3,048	2,401	2,493	2,121	2,336	2,416	2,597	2,326

Site #: 03130003 Name: Middle Chattahoochee-Walter F. George Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 7,460 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	11,545	14,641	16,618	12,469	8,721	6,804	7,487	6,558	5,862	5,693	7,251	10,238
100%	28,415	30,222	40,382	29,883	20,686	18,099	33,827	14,919	13,913	15,526	22,100	39,950
98%	25,090	27,581	35,796	27,722	18,905	14,035	24,201	13,919	13,260	15,007	21,428	26,277
95%	23,449	24,971	31,609	25,123	17,479	12,223	17,942	12,169	11,208	10,676	15,377	22,085
90%	20,208	24,042	26,084	22,652	15,162	10,717	14,826	11,158	8,407	8,493	12,328	19,577
75%	14,822	17,487	21,218	14,235	10,970	8,532	7,285	7,571	7,090	6,483	9,769	12,424
50%	10,077	14,619	15,869	10,347	7,924	6,029	5,662	6,323	5,721	5,344	5,904	8,479
25%	6,748	10,439	9,513	7,674	4,954	4,535	4,409	4,417	4,090	3,562	3,969	5,225
10%	5,627	7,090	7,372	6,197	4,026	3,516	3,279	2,883	2,881	2,806	3,140	3,615
5%	5,272	5,827	6,961	5,310	3,937	3,300	2,630	2,527	2,627	2,753	3,038	2,750
2%	4,609	4,727	6,580	5,209	3,601	2,784	2,518	2,316	2,490	2,445	2,810	2,352
0%	4,356	4,459	6,132	4,906	3,048	2,401	2,493	2,121	2,336	2,416	2,597	2,326

Monthly Flows (in CFS) for
03130004 - Lower Chattahoochee Subbasin

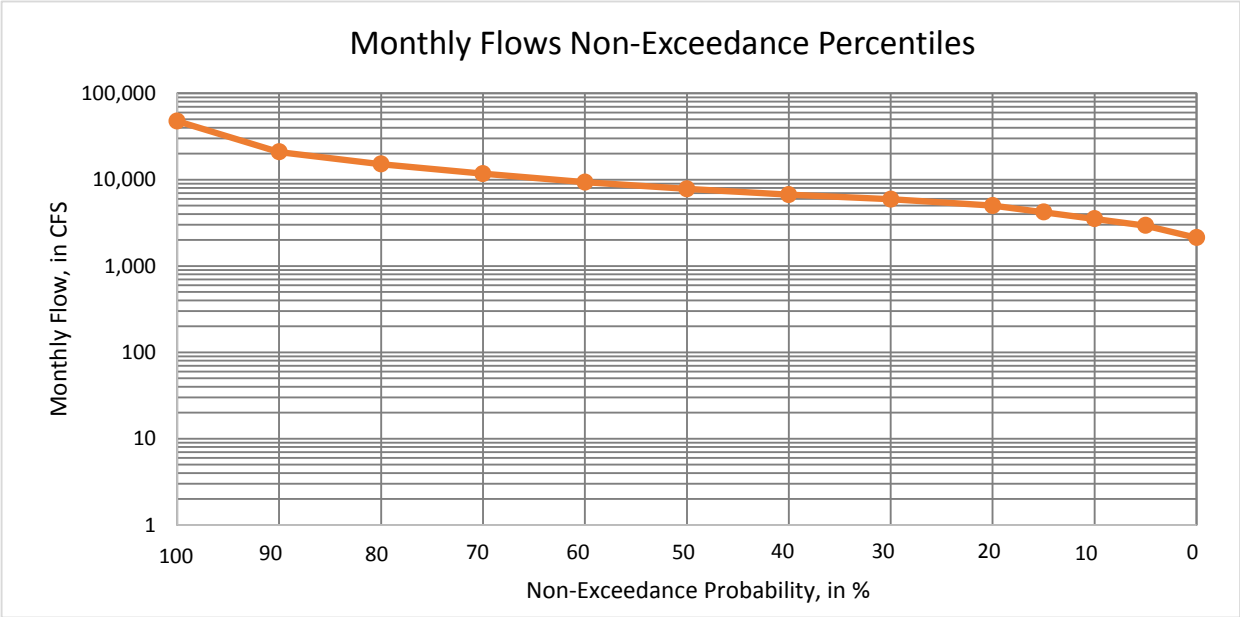
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975										17,341	13,910	13,548	
1976	18,388	16,574	22,369	15,901	16,377	14,087	10,531	7,694	6,986	6,636	10,749	20,565	13,904
1977	16,657	9,223	24,721	20,492	8,853	6,696	5,505	7,004	6,531	6,090	16,802	11,640	11,695
1978	32,827	18,502	21,964	11,298	19,062	9,172	6,309	12,200	7,960	6,201	4,719	5,505	12,983
1979	12,687	23,892	21,332	34,620	12,926	8,508	6,708	7,574	7,820	8,192	11,661	9,097	13,647
1980	12,656	14,522	36,362	28,567	20,679	9,126	7,795	7,738	6,275	5,218	5,208	4,948	13,258
1981	4,899	16,491	7,491	13,786	5,099	5,437	5,714	6,498	5,231	3,494	3,108	4,179	6,705
1982	14,999	26,774	10,801	14,584	8,525	6,583	6,696	9,293	6,159	5,650	6,173	21,954	11,425
1983	16,440	20,824	27,468	27,458	9,497	8,919	7,767	7,071	6,616	6,868	7,638	25,136	14,273
1984	19,622	16,740	22,068	15,216	15,963	7,318	7,806	15,082	7,919	5,294	5,415	7,581	12,166
1985	6,359	15,590	10,037	7,630	4,710	4,721	4,878	8,511	7,681	6,252	3,828	8,885	7,372
1986	7,388	10,376	13,579	5,581	5,001	4,097	4,880	2,391	2,348	2,472	7,927	11,029	6,406
1987	16,999	16,274	20,067	10,573	5,991	10,107	9,939	5,693	5,941	5,597	3,182	5,147	9,595
1988	9,863	11,402	8,000	7,508	6,788	4,763	2,514	2,120	4,463	5,927	6,541	5,768	6,268
1989	5,957	5,033	8,934	15,745	7,265	12,231	15,869	8,804	8,278	11,423	11,962	20,223	11,014
1990	26,722	30,796	47,577	14,325	9,133	9,260	5,335	5,572	4,733	4,782	5,921	5,316	14,047
1991	8,336	12,594	17,746	9,704	19,539	11,599	10,306	9,277	10,707	8,373	5,582	9,356	11,099
1992	13,454	18,305	16,554	9,004	7,161	5,458	7,048	6,585	8,668	7,109	24,141	25,561	12,379
1993	23,519	16,854	24,245	16,481	11,112	6,387	5,941	6,904	5,302	5,717	6,323	7,618	11,352
1994	8,872	17,238	15,787	10,219	7,876	5,601	39,461	12,376	12,055	10,181	10,593	13,174	13,634
1995	12,501	27,054	22,980	8,307	7,543	4,737	6,101	6,842	5,779	9,060	13,371	12,739	11,326
1996	16,585	28,401	31,418	14,055	10,604	7,181	7,744	6,696	6,535	7,270	5,636	9,214	12,528
1997	14,553	22,172	18,834	11,153	10,151	10,946	9,948	7,324	7,480	6,307	11,350	23,923	12,797
1998	22,752	35,035	40,104	21,363	13,330	6,364	7,581	6,611	6,043	5,267	6,713	6,069	14,654
1999	7,000	11,682	9,316	5,138	4,702	7,944	5,032	7,551	4,019	3,062	3,210	3,789	6,001
2000	6,204	9,138	7,165	9,880	5,283	4,090	3,196	3,703	3,099	2,850	3,430	6,086	5,315
2001	7,714	6,288	29,635	13,361	5,680	10,034	4,794	4,676	3,105	2,809	2,917	3,124	7,863
2002	4,532	7,811	7,464	7,069	4,092	3,461	3,399	2,999	2,668	2,432	6,883	11,298	5,326
2003	6,256	13,164	20,897	14,190	23,478	20,389	19,777	10,946	6,185	5,884	7,743	9,576	13,219
2004	10,656	16,595	6,503	5,587	3,896	3,879	5,978	5,085	14,439	6,981	13,558	14,325	8,890
2005	10,987	14,522	24,856	25,437	8,697	13,402	24,048	16,626	6,998	4,199	6,687	9,947	13,870
2006	12,812	12,853	13,579	8,175	7,914	3,792	3,438	2,661	3,507	3,212	6,864	5,451	6,989
2007	10,832	8,031	9,540	6,590	4,158	2,954	2,672	3,243	2,777	2,832	2,625	2,336	4,869
2008	5,616	13,216	9,094	7,814	4,173	2,416	2,549	6,717	2,562	3,667	5,640	14,180	6,435
2009	9,029	4,645	25,706	23,944	10,303	5,497	3,512	4,103	15,444	15,310	23,830	44,965	15,595
2010	28,391	28,287	23,219	8,775	14,688	6,005	4,280	4,049	2,730	4,204	3,822	6,349	11,158
2011	5,720	11,278	14,999	11,827	4,319	3,288	3,918	3,711	4,471	4,027	4,318	2,601	6,167
2012	7,811	6,290	9,463	6,029	2,995	3,118	3,871	2,739	2,873	3,038	3,358	2,911	4,535
2013	5,747	27,458	13,516	10,023	12,895	9,229	19,249	14,004	6,118	5,080	5,193	18,243	12,155
2014	15,362	17,683	13,827	31,449	10,676	5,975	5,586	5,150	4,773	5,016	4,140	7,698	10,542

Non-Exceedance Percentiles

03130004 - Lower Chattahoochee Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	4,532	4,645	6,503	5,138	2,995	2,416	2,514	2,120	2,348	2,432	2,625	2,336	4,535
5th %	5,544	6,162	7,434	5,586	4,073	3,102	2,660	2,634	2,657	2,792	3,098	2,895	5,270
10th %	5,741	7,507	7,898	6,478	4,170	3,426	3,358	2,947	2,768	2,849	3,207	3,722	5,866
15th %	6,130	8,806	9,046	7,376	4,587	3,853	3,490	3,565	3,031	3,058	3,419	4,833	6,238
20th %	6,318	9,915	9,404	7,741	4,885	4,095	3,899	3,914	3,346	3,438	3,827	5,283	6,423
30th %	7,753	12,047	11,887	8,867	5,805	5,032	4,879	5,111	4,575	4,203	5,051	5,979	7,569
40th %	9,196	13,477	14,062	10,063	7,321	5,676	5,521	6,515	5,397	5,163	5,614	7,603	10,637
Median	10,987	16,274	17,746	11,298	8,525	6,387	5,978	6,717	6,118	5,624	6,248	9,155	11,326
60th %	12,787	16,711	21,245	14,002	9,424	7,291	6,706	7,058	6,480	5,992	6,773	10,380	12,063
70th %	15,216	18,057	22,735	14,964	10,647	9,043	7,758	7,646	6,993	6,406	7,798	12,870	12,690
80th %	16,794	22,860	24,775	18,086	13,087	9,570	9,943	8,993	7,859	7,141	11,412	15,109	13,408
90th %	22,905	27,624	29,991	25,841	16,914	11,725	16,545	12,235	9,076	9,172	13,593	22,151	13,933
Maximum	32,827	35,035	47,577	34,620	23,478	20,389	39,461	16,626	15,444	17,341	24,141	44,965	15,595
Average	12,762	16,400	18,698	13,817	9,516	7,302	8,146	7,021	6,238	6,033	7,817	11,276	10,345

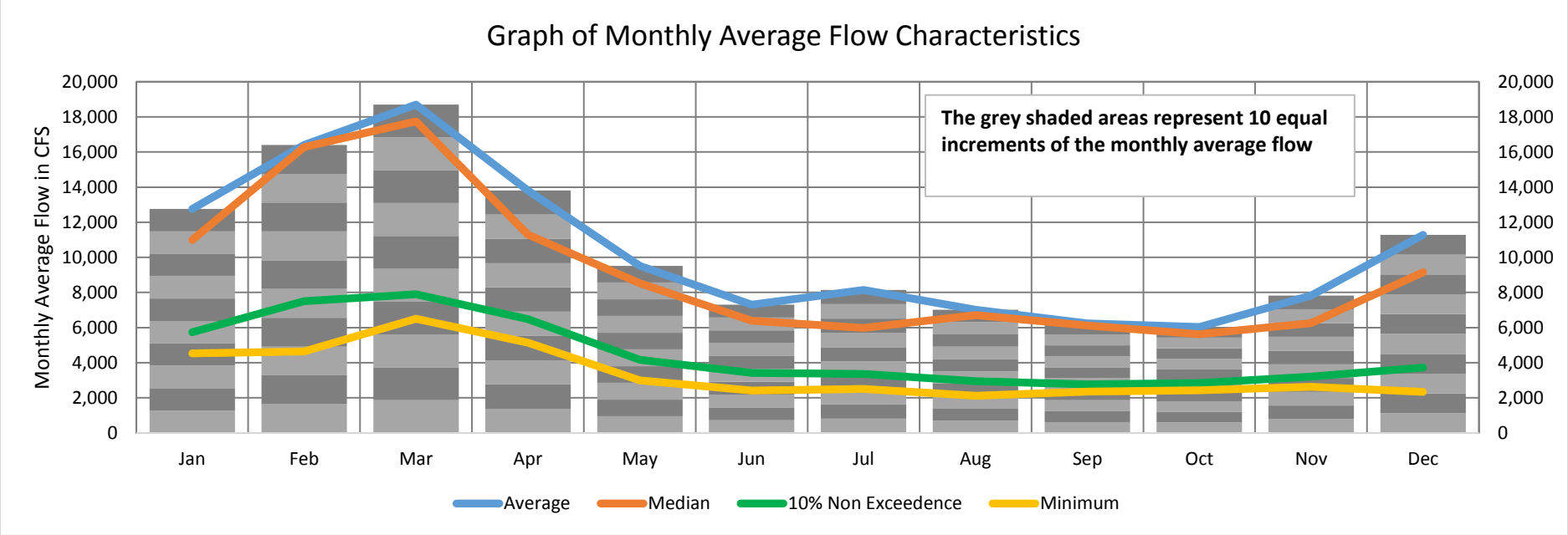
	Flows in CFS
Minimum	2,119.7
5th %	2,935
10th %	3,512
15th %	4,202
20th %	5,001
30th %	5,921
40th %	6,696
Median	7,795
60th %	9,316
70th %	11,682
80th %	15,082
90th %	20,897
Maximum	47,577
Average	10,406



Q10/Q50	0.45
Q10/Q90	0.17
	CFSM*
Qmin/DA	0.25
Q5/DA	0.34
Q10/DA	0.41
Q15/DA	0.49
Q20/DA	0.59
Q30/DA	0.70
Q40/DA	0.79
Q50/DA	0.92
Q60/DA	1.09
Q70/DA	1.37
Q80/DA	1.77
Q90/DA	2.46
Qmax/DA	5.59

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

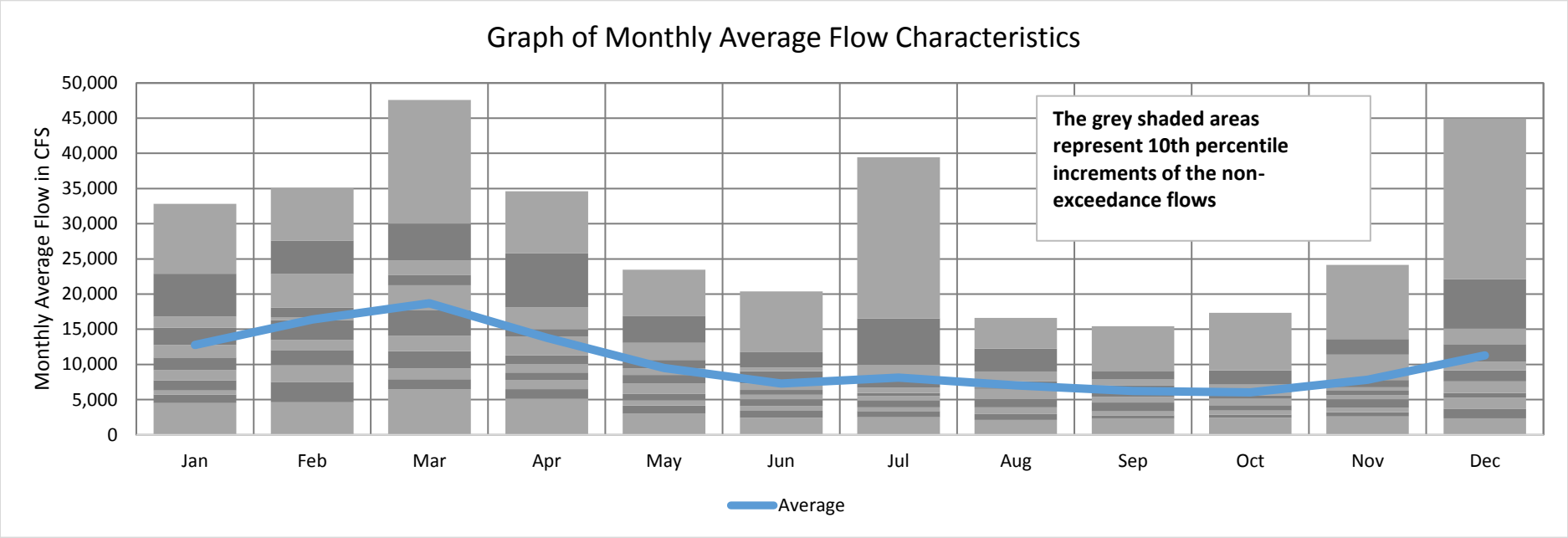
Site #: 03130004 Name: Lower Chattahoochee Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	12,762	16,400	18,698	13,817	9,516	7,302	8,146	7,021	6,238	6,033	7,817	11,276
100%	32,827	35,035	47,577	34,620	23,478	20,389	39,461	16,626	15,444	17,341	24,141	44,965
98%	29,456	31,813	41,897	32,210	21,351	15,599	27,747	15,452	14,680	15,757	23,898	29,830
95%	26,889	28,641	36,736	28,855	19,653	13,471	20,204	14,111	12,293	11,617	17,154	25,157
90%	22,905	27,624	29,991	25,841	16,914	11,725	16,545	12,235	9,076	9,172	13,593	22,151
75%	16,512	19,663	23,732	15,823	12,003	9,201	7,800	8,124	7,580	6,896	10,632	13,706
50%	10,987	16,274	17,746	11,298	8,525	6,387	5,978	6,717	6,118	5,624	6,248	9,155
25%	7,194	11,340	9,789	8,241	5,191	4,729	4,537	4,389	4,241	3,937	4,274	5,492
10%	5,741	7,507	7,898	6,478	4,170	3,426	3,358	2,947	2,768	2,849	3,207	3,722
5%	5,544	6,162	7,434	5,586	4,073	3,102	2,660	2,634	2,657	2,792	3,098	2,895
2%	4,811	4,940	7,006	5,475	3,680	2,825	2,540	2,326	2,511	2,463	2,853	2,543
0%	4,532	4,645	6,503	5,138	2,995	2,416	2,514	2,120	2,348	2,432	2,625	2,336

Site #: 03130004 Name: Lower Chattahoochee Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 8,510 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	12,762	16,400	18,698	13,817	9,516	7,302	8,146	7,021	6,238	6,033	7,817	11,276
100%	32,827	35,035	47,577	34,620	23,478	20,389	39,461	16,626	15,444	17,341	24,141	44,965
98%	29,456	31,813	41,897	32,210	21,351	15,599	27,747	15,452	14,680	15,757	23,898	29,830
95%	26,889	28,641	36,736	28,855	19,653	13,471	20,204	14,111	12,293	11,617	17,154	25,157
90%	22,905	27,624	29,991	25,841	16,914	11,725	16,545	12,235	9,076	9,172	13,593	22,151
75%	16,512	19,663	23,732	15,823	12,003	9,201	7,800	8,124	7,580	6,896	10,632	13,706
50%	10,987	16,274	17,746	11,298	8,525	6,387	5,978	6,717	6,118	5,624	6,248	9,155
25%	7,194	11,340	9,789	8,241	5,191	4,729	4,537	4,389	4,241	3,937	4,274	5,492
10%	5,741	7,507	7,898	6,478	4,170	3,426	3,358	2,947	2,768	2,849	3,207	3,722
5%	5,544	6,162	7,434	5,586	4,073	3,102	2,660	2,634	2,657	2,792	3,098	2,895
2%	4,811	4,940	7,006	5,475	3,680	2,825	2,540	2,326	2,511	2,463	2,853	2,543
0%	4,532	4,645	6,503	5,138	2,995	2,416	2,514	2,120	2,348	2,432	2,625	2,336

Monthly Flows (in CFS) for
03130012 - Chipola River Basin Subbasin in Alabama

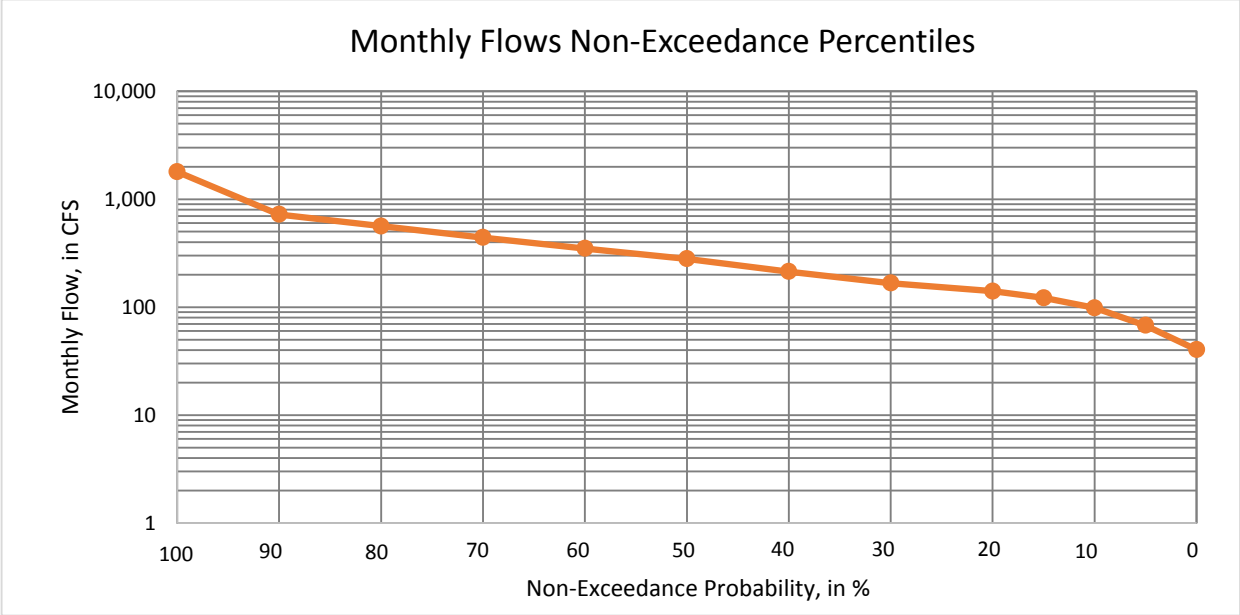
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	502	523	646	1,326	490	422	409	883	414	559	394	310	573
1976	486	581	424	306	460	402	258	174	149	234	273	635	364
1977	711	427	536	323	171	131	122	155	367	151	456	336	323
1978	596	808	1,162	528	626	476	269	360	152	122	116	205	450
1979	473	857	876	623	561	279	522	378	745	572	315	308	540
1980	381	495	961	1,152	652	322	219	172	140	147	154	133	410
1981	147	294	316	254	136	147	98	100	98	68	64	79	149
1982	304	748	442	290	229	196	269	441	290	178	194	489	337
1983	700	896	913	1,111	508	418	366	189	276	157	173	602	523
1984	605	751	1,120	828	329	290	373	486	218	156	141	126	450
1985	136	289	243	173	144	114	120	173	123	97	370	605	215
1986	706	1,176	677	289	178	162	119	105	105	81	81	194	317
1987	476	686	842	595	266	433	391	277	163	134	147	143	377
1988	276	562	820	422	195	146	190	155	320	198	162	152	298
1989	182	161	272	263	201	983	848	347	209	301	363	438	382
1990	900	688	550	377	231	192	171	100	59	59	52	68	285
1991	235	743	1,287	617	596	487	421	457	218	158	140	152	458
1992	296	795	959	440	201	352	308	295	298	214	345	618	424
1993	969	631	811	520	226	156	182	122	136	122	178	166	350
1994	272	563	688	599	262	619	1,411	615	413	768	343	472	587
1995	431	694	607	489	382	373	189	274	135	183	255	217	350
1996	231	575	698	620	309	147	140	125	269	459	182	282	335
1997	577	615	404	372	451	396	454	369	178	138	419	700	422
1998	947	1,082	1,437	516	226	165	162	153	407	661	317	241	524
1999	448	407	343	194	237	248	562	243	156	115	121	119	266
2000	151	212	292	173	84	65	64	61	69	61	93	245	130
2001	309	204	787	513	154	325	167	289	133	83	69	84	260
2002	103	127	255	426	101	110	130	119	267	258	668	465	252
2003	470	403	1,015	654	260	322	516	609	399	186	189	211	437
2004	185	619	327	167	355	413	470	161	294	247	333	508	338
2005	425	303	471	1,153	481	496	620	611	287	164	155	431	467
2006	687	460	316	161	179	91	75	77	71	65	97	141	200
2007	290	392	286	135	67	51	73	52	48	59	58	131	135
2008	548	1,015	660	359	140	95	141	251	199	148	136	909	380
2009	393	330	593	1,795	569	380	269	190	162	187	198	750	484
2010	926	1,093	522	240	471	156	116	100	68	61	68	77	320
2011	99	233	223	155	70	46	59	57	43	40	41	61	93
2012	153	342	605	181	104	98	80	231	219	199	109	149	205
2013	172	1,156	927	369	205	147	1,003	1,003	520	287	216	327	525
2014	485	532	720	1,145	1,052	340	213	132	141	145	140	312	446

Non-Exceedance Percentiles

03130012 - Chipola River Basin Subbasin in Alabama

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	99	127	223	135	67	46	59	52	43	40	41	61	93
5th %	134	202	254	161	83	65	73	61	58	59	58	77	135
10th %	151	231	284	172	104	94	80	97	69	61	67	83	195
15th %	169	293	312	180	139	108	113	100	94	68	79	125	214
20th %	185	325	324	230	152	128	120	116	119	82	96	133	259
30th %	275	406	436	290	190	147	141	147	139	122	132	151	312
40th %	307	512	544	365	218	164	178	167	154	146	145	200	336
Median	428	569	626	424	234	264	216	190	189	157	168	243	357
60th %	474	624	692	514	283	323	269	260	218	180	191	311	393
70th %	516	708	814	596	403	375	379	311	279	198	260	433	440
80th %	621	798	916	629	483	414	457	391	302	249	335	493	460
90th %	730	1,022	1,025	1,145	571	477	568	609	408	469	372	619	524
Maximum	969	1,176	1,437	1,795	1,052	983	1,411	1,003	745	768	668	909	587
Average	435	587	651	521	314	280	314	277	224	206	208	315	360

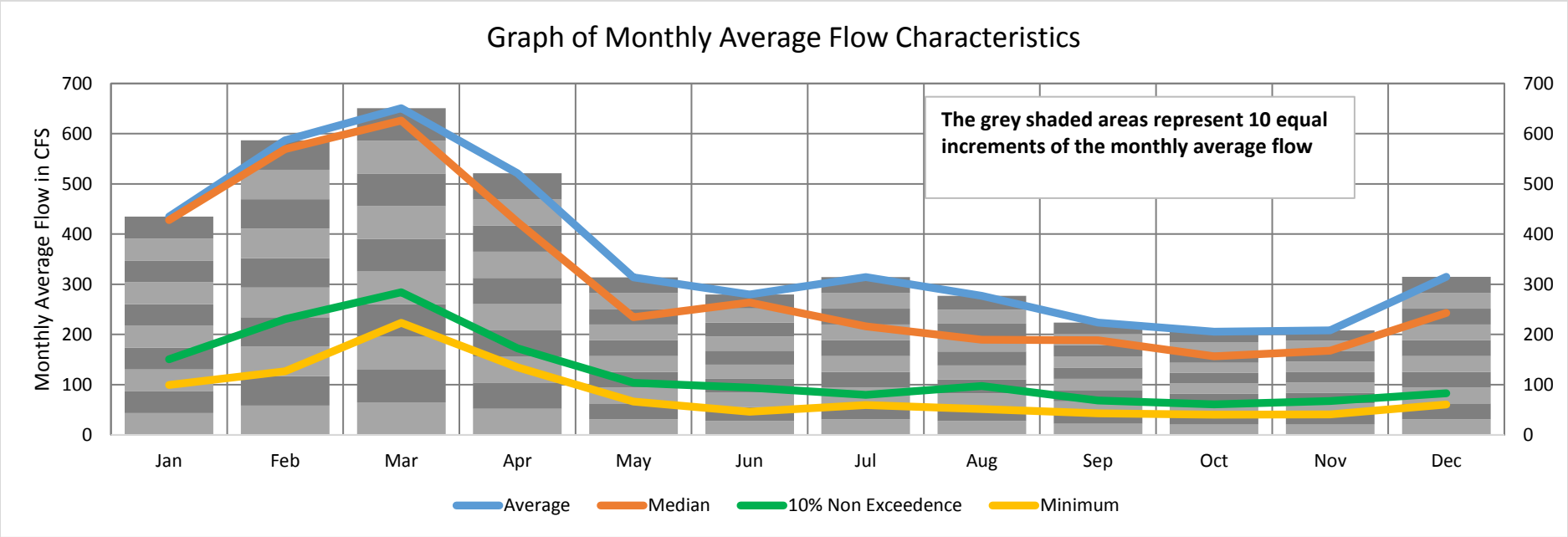
	Flows in CFS
Minimum	40.3
5th %	68
10th %	98
15th %	122
20th %	140
30th %	167
40th %	213
Median	281
60th %	349
70th %	441
80th %	562
90th %	722
Maximum	1,795
Average	361



Q10/Q50	0.35
Q10/Q90	0.14
	CFSM*
Qmin/DA	0.20
Q5/DA	0.34
Q10/DA	0.49
Q15/DA	0.61
Q20/DA	0.70
Q30/DA	0.83
Q40/DA	1.06
Q50/DA	1.40
Q60/DA	1.74
Q70/DA	2.20
Q80/DA	2.80
Q90/DA	3.60
Qmax/DA	8.95

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

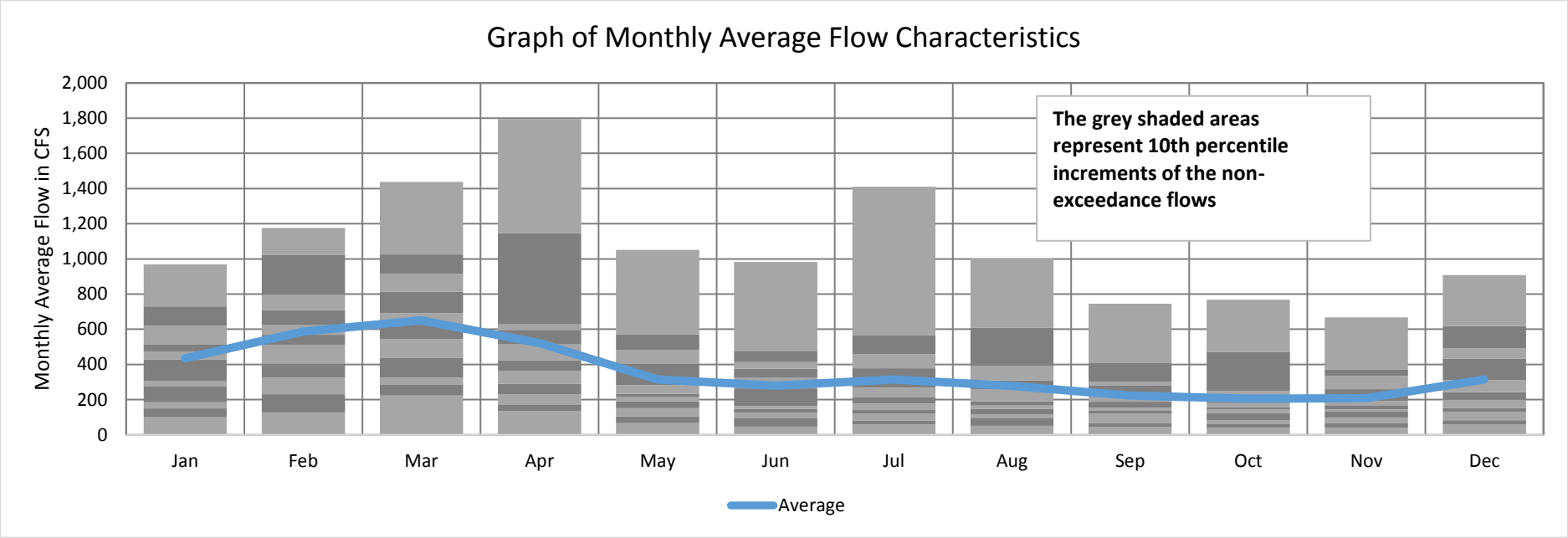
Site #: 03130012 Name: Chipola River Basin Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	435	587	651	521	314	280	314	277	224	206	208	315
100%	969	1,176	1,437	1,795	1,052	983	1,411	1,003	745	768	668	909
98%	952	1,160	1,320	1,429	740	699	1,093	909	569	685	503	785
95%	927	1,096	1,168	1,162	627	502	856	629	419	577	421	703
90%	730	1,022	1,025	1,145	571	477	568	609	408	469	372	619
75%	582	749	850	617	463	397	412	362	291	219	316	467
50%	428	569	626	424	234	264	216	190	189	157	168	243
25%	234	380	388	261	176	147	128	125	135	111	115	142
10%	151	231	284	172	104	94	80	97	69	61	67	83
5%	134	202	254	161	83	65	73	61	58	59	58	77
2%	102	153	239	151	70	50	63	56	47	55	50	66
0%	99	127	223	135	67	46	59	52	43	40	41	61

Site #: 03130012 Name: Chipola River Basin Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 201 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	435	587	651	521	314	280	314	277	224	206	208	315
100%	969	1,176	1,437	1,795	1,052	983	1,411	1,003	745	768	668	909
98%	952	1,160	1,320	1,429	740	699	1,093	909	569	685	503	785
95%	927	1,096	1,168	1,162	627	502	856	629	419	577	421	703
90%	730	1,022	1,025	1,145	571	477	568	609	408	469	372	619
75%	582	749	850	617	463	397	412	362	291	219	316	467
50%	428	569	626	424	234	264	216	190	189	157	168	243
25%	234	380	388	261	176	147	128	125	135	111	115	142
10%	151	231	284	172	104	94	80	97	69	61	67	83
5%	134	202	254	161	83	65	73	61	58	59	58	77
2%	102	153	239	151	70	50	63	56	47	55	50	66
0%	99	127	223	135	67	46	59	52	43	40	41	61

Monthly Flows (in CFS) for
03140103 - Yellow River Subbasin in Alabama

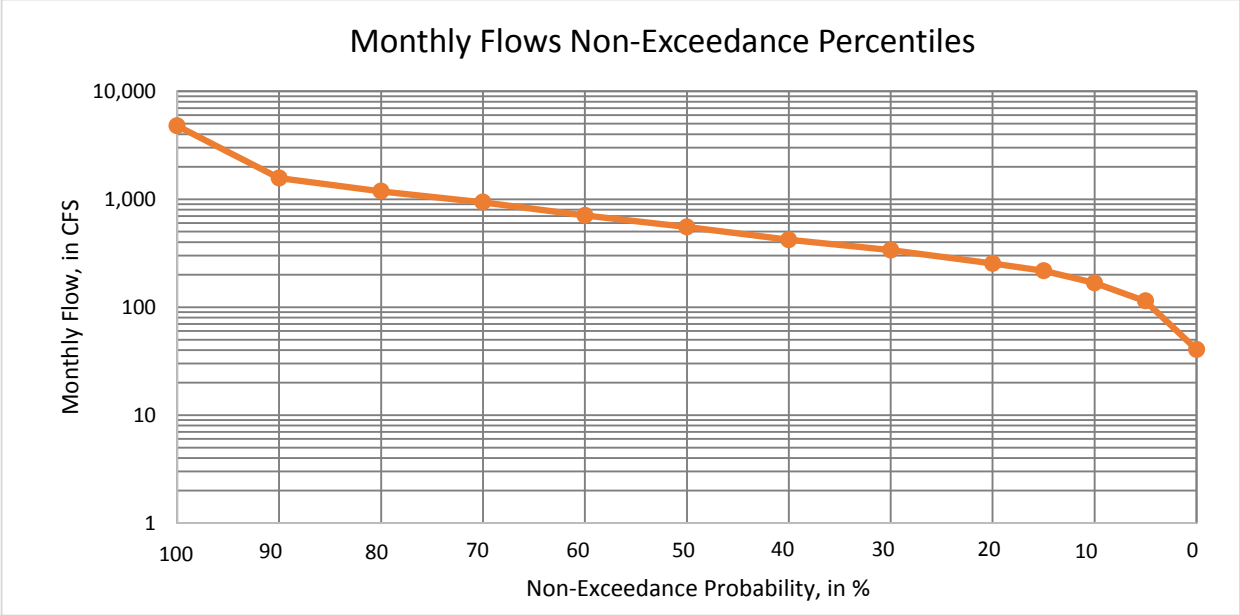
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	810	1,086	1,653	3,847	1,369	1,029	967	3,929	3,098	2,907	1,570	1,365	1,972
1976	1,377	1,303	1,092	1,138	1,568	1,238	512	408	420	480	617	1,290	952
1977	1,194	716	1,472	1,073	252	221	227	772	803	398	767	719	718
1978	2,409	1,335	1,784	973	3,001	1,496	615	707	338	257	261	486	1,141
1979	1,159	2,186	2,520	1,404	623	395	605	481	412	311	424	601	919
1980	858	688	2,815	2,595	1,313	666	303	174	145	218	362	317	872
1981	257	1,210	616	446	340	260	144	270	162	110	156	340	353
1982	1,093	1,999	1,079	728	399	209	359	422	212	147	241	673	622
1983	1,146	1,755	1,681	2,239	992	758	730	434	402	217	366	1,031	973
1984	1,204	875	1,804	889	440	266	461	875	237	209	446	638	697
1985	575	2,055	1,154	452	706	574	390	359	258	262	487	1,069	687
1986	1,358	1,132	1,618	450	314	233	163	154	228	187	538	976	611
1987	979	1,179	1,227	890	597	557	397	440	231	124	319	263	597
1988	747	1,086	1,189	471	261	85	399	264	1,464	661	495	368	620
1989	397	403	843	996	621	2,038	1,483	376	301	959	1,944	1,201	964
1990	2,414	1,773	3,955	1,188	1,043	446	309	193	114	147	168	255	1,000
1991	983	1,911	1,729	667	1,087	932	1,040	932	472	226	483	465	905
1992	1,513	1,913	1,405	789	296	787	647	607	314	320	1,489	1,434	953
1993	1,185	1,052	1,356	1,436	498	229	314	167	259	69	320	385	603
1994	420	783	574	398	144	270	2,367	508	165	250	226	391	542
1995	469	1,209	1,252	470	168	94	57	82	41	1,050	538	1,008	534
1996	1,060	1,548	1,127	1,271	388	258	103	119	393	263	221	518	599
1997	714	1,508	1,090	623	623	639	654	474	160	193	516	1,199	695
1998	1,726	1,748	4,626	1,268	417	189	249	394	2,786	4,778	798	654	1,639
1999	934	546	875	359	600	634	996	344	155	155	169	287	506
2000	369	359	359	325	96	93	56	90	109	40	218	408	209
2001	474	405	2,126	766	198	581	254	683	503	196	188	287	557
2002	336	447	618	441	91	81	150	154	312	517	791	806	395
2003	728	764	1,540	1,479	625	1,043	1,938	1,469	869	382	377	620	988
2004	602	1,407	630	324	625	952	708	463	1,656	991	1,502	1,248	920
2005	953	883	1,159	3,352	913	725	938	1,049	559	303	345	775	994
2006	989	832	742	310	379	108	105	229	211	208	417	244	396
2007	789	657	584	1,118	199	165	239	106	177	345	360	672	449
2008	1,307	1,754	916	888	326	193	272	365	199	223	164	1,280	651
2009	793	566	2,182	2,637	1,546	808	367	1,064	1,181	1,156	1,506	4,029	1,493
2010	2,368	2,615	1,331	659	603	369	252	283	182	114	237	283	764
2011	487	632	660	349	76	42	321	123	311	101	102	319	292
2012	413	674	453	311	202	514	150	454	842	313	166	422	407
2013	435	1,908	1,152	605	325	539	1,959	1,453	835	435	356	680	885
2014	892	1,048	1,135	2,839	1,740	857	500	243	216	269	213	443	863

Non-Exceedance Percentiles

03140103 - Yellow River Subbasin in Alabama

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	257	359	359	310	76	42	56	82	41	40	102	244	209
5th %	367	405	568	323	96	85	100	105	114	99	164	262	350
10th %	412	536	613	346	165	94	140	123	154	113	167	286	396
15th %	433	622	628	392	199	156	150	154	162	143	185	312	443
20th %	473	670	726	445	242	192	214	173	175	154	217	336	528
30th %	681	777	1,030	470	322	232	253	258	211	204	240	403	598
40th %	791	982	1,132	664	384	269	312	353	235	221	335	477	621
Median	913	1,109	1,174	839	469	480	378	401	306	259	364	629	696
60th %	985	1,247	1,341	982	610	577	476	446	360	306	433	676	866
70th %	1,150	1,520	1,564	1,153	625	684	625	489	436	356	501	857	919
80th %	1,224	1,759	1,740	1,410	1,003	818	771	720	809	487	647	1,095	966
90th %	1,534	1,922	2,216	2,599	1,387	1,030	1,084	1,051	1,209	997	1,490	1,281	1,014
Maximum	2,414	2,615	4,626	3,847	3,001	2,038	2,367	3,929	3,098	4,778	1,944	4,029	1,972
Average	973	1,199	1,403	1,087	650	539	567	553	543	512	522	761	773

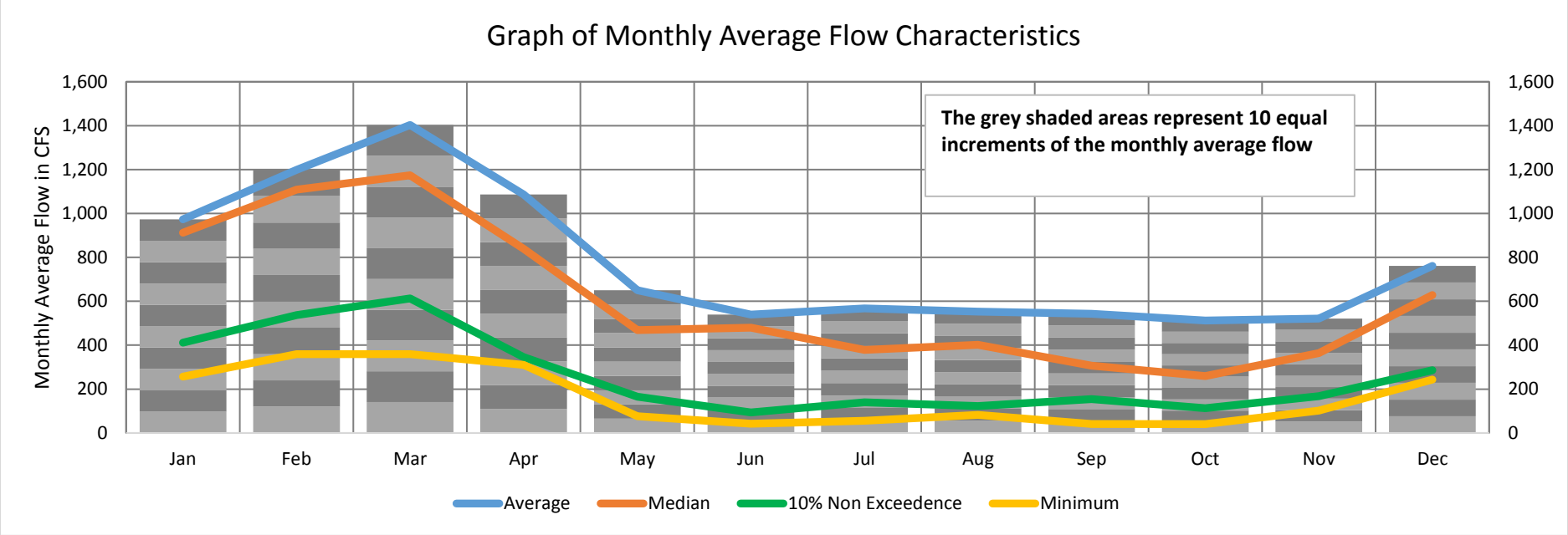
	Flows in CFS
Minimum	40.5
5th %	114
10th %	167
15th %	217
20th %	254
30th %	338
40th %	420
Median	552
60th %	706
70th %	935
80th %	1,182
90th %	1,568
Maximum	4,778
Average	776



Q10/Q50	0.30
Q10/Q90	0.11
	CFSM*
Qmin/DA	0.09
Q5/DA	0.25
Q10/DA	0.36
Q15/DA	0.47
Q20/DA	0.55
Q30/DA	0.73
Q40/DA	0.91
Q50/DA	1.20
Q60/DA	1.53
Q70/DA	2.03
Q80/DA	2.56
Q90/DA	3.40
Qmax/DA	10.36

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

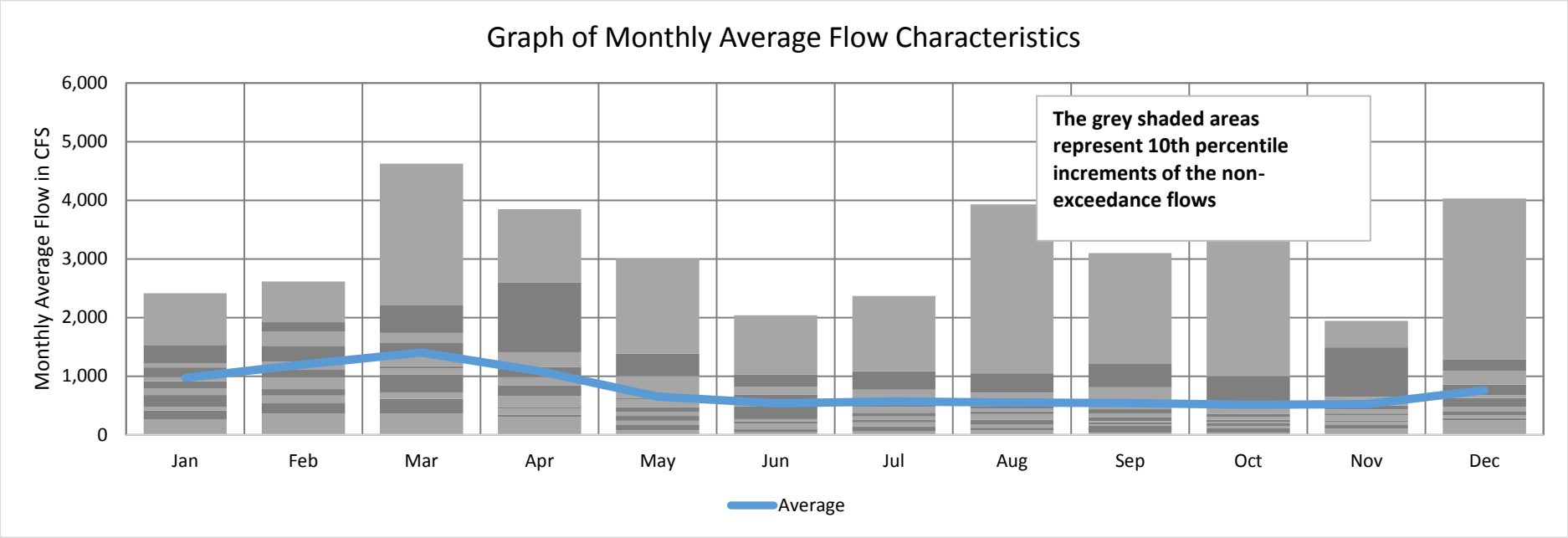
Site #: 03140103 Name: Yellow River Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	973	1,199	1,403	1,087	650	539	567	553	543	512	522	761
100%	2,414	2,615	4,626	3,847	3,001	2,038	2,367	3,929	3,098	4,778	1,944	4,029
98%	2,410	2,281	4,103	3,460	2,017	1,615	2,049	2,010	2,855	3,319	1,652	2,005
95%	2,370	2,062	2,872	2,865	1,577	1,251	1,939	1,454	1,712	1,243	1,509	1,368
90%	1,534	1,922	2,216	2,599	1,387	1,030	1,084	1,051	1,209	997	1,490	1,281
75%	1,187	1,749	1,660	1,269	758	765	668	626	517	407	538	1,014
50%	913	1,109	1,174	839	469	480	378	401	306	259	364	629
25%	553	709	867	452	287	218	246	220	195	192	225	381
10%	412	536	613	346	165	94	140	123	154	113	167	286
5%	367	405	568	323	96	85	100	105	114	99	164	262
2%	318	393	432	311	88	73	57	88	94	63	144	253
0%	257	359	359	310	76	42	56	82	41	40	102	244

Site #: 03140103 Name: Yellow River Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 461 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	973	1,199	1,403	1,087	650	539	567	553	543	512	522	761
100%	2,414	2,615	4,626	3,847	3,001	2,038	2,367	3,929	3,098	4,778	1,944	4,029
98%	2,410	2,281	4,103	3,460	2,017	1,615	2,049	2,010	2,855	3,319	1,652	2,005
95%	2,370	2,062	2,872	2,865	1,577	1,251	1,939	1,454	1,712	1,243	1,509	1,368
90%	1,534	1,922	2,216	2,599	1,387	1,030	1,084	1,051	1,209	997	1,490	1,281
75%	1,187	1,749	1,660	1,269	758	765	668	626	517	407	538	1,014
50%	913	1,109	1,174	839	469	480	378	401	306	259	364	629
25%	553	709	867	452	287	218	246	220	195	192	225	381
10%	412	536	613	346	165	94	140	123	154	113	167	286
5%	367	405	568	323	96	85	100	105	114	99	164	262
2%	318	393	432	311	88	73	57	88	94	63	144	253
0%	257	359	359	310	76	42	56	82	41	40	102	244

Monthly Flows (in CFS) for
03140104 - Blackwater River Subbasin in Alabama

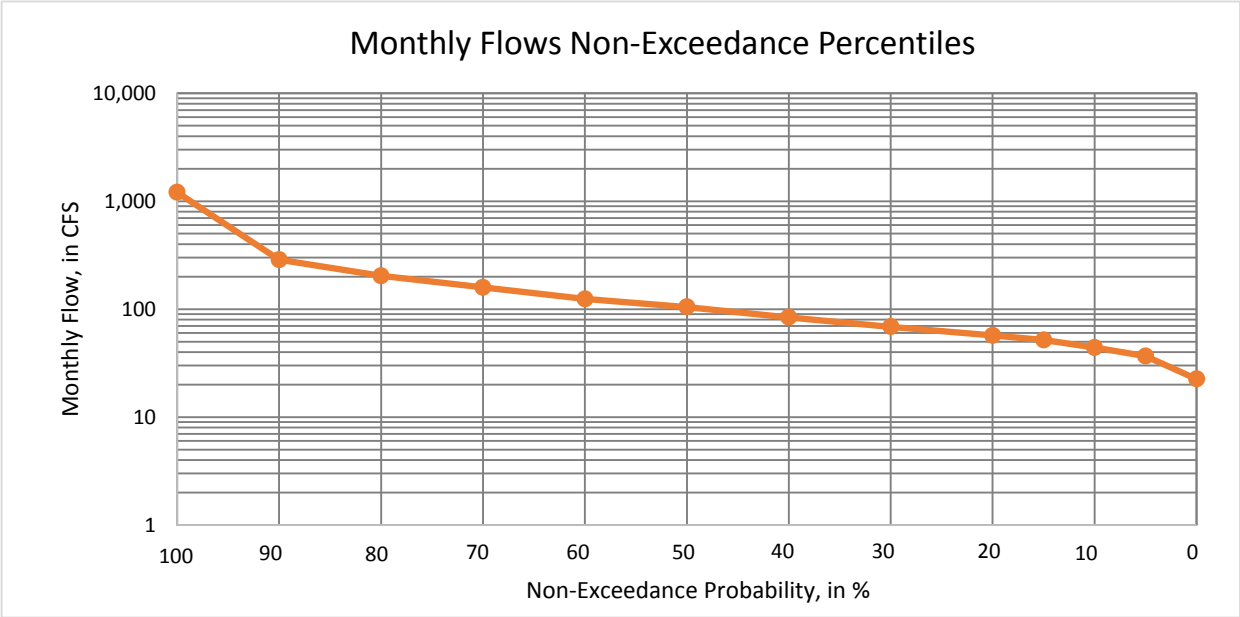
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	106	185	285	463	294	260	434	560	527	363	346	265	341
1976	263	193	174	130	244	143	80	80	90	133	138	187	155
1977	188	118	318	205	57	52	74	210	177	91	125	119	145
1978	414	220	302	128	591	372	169	134	72	56	68	92	219
1979	184	393	383	220	84	55	125	75	70	45	73	99	149
1980	141	98	565	491	250	110	69	50	46	65	84	60	170
1981	56	205	92	56	46	33	28	64	50	33	40	84	65
1982	190	397	164	115	56	44	91	83	38	36	43	99	111
1983	175	294	338	360	152	135	64	81	88	42	89	210	168
1984	203	140	242	121	79	53	90	215	58	61	80	100	120
1985	104	428	190	83	105	100	82	67	63	66	108	202	131
1986	227	171	243	60	53	40	58	59	87	62	105	130	108
1987	160	162	184	101	91	109	75	153	56	41	69	60	105
1988	141	173	162	79	38	32	51	40	288	104	75	62	103
1989	77	64	113	115	89	422	182	60	61	134	438	198	162
1990	369	329	1,207	201	230	108	60	47	43	58	46	62	231
1991	248	196	257	98	329	227	236	166	83	54	108	89	175
1992	278	282	195	101	60	107	101	111	57	45	270	221	151
1993	177	175	201	187	87	61	166	53	120	81	67	83	121
1994	171	157	183	153	93	379	571	121	93	181	84	113	192
1995	182	420	284	234	243	106	114	195	52	516	235	159	228
1996	201	241	363	382	144	133	83	88	69	53	58	93	158
1997	142	238	132	113	100	122	111	79	36	45	123	183	118
1998	326	257	691	159	64	43	56	64	675	235	140	109	235
1999	182	87	121	90	96	120	147	65	42	50	40	63	92
2000	82	65	52	40	25	27	26	36	44	23	72	87	48
2001	85	58	255	105	53	115	41	110	55	38	32	38	82
2002	47	67	72	57	24	29	38	35	95	83	114	130	66
2003	116	156	281	159	74	125	322	337	113	74	77	125	164
2004	112	287	101	77	94	143	122	65	227	113	253	209	149
2005	163	138	216	516	153	123	129	268	113	63	102	153	178
2006	212	154	121	55	74	37	52	57	38	60	83	49	82
2007	124	101	78	255	36	30	48	37	48	71	78	144	87
2008	198	356	132	134	52	38	44	142	49	53	40	138	113
2009	153	105	399	366	226	131	66	193	158	190	227	580	234
2010	437	400	235	114	109	76	72	67	46	36	68	61	142
2011	135	109	111	52	28	28	77	33	76	28	34	59	64
2012	86	143	76	51	51	132	47	98	120	73	41	78	82
2013	83	309	130	101	53	82	241	193	176	79	62	103	133
2014	113	153	198	401	262	118	63	52	66	85	57	109	139

Non-Exceedance Percentiles

03140104 - Blackwater River Subbasin in Alabama

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	47	58	52	40	24	27	26	33	36	23	32	38	48
5th %	76	65	76	52	28	29	37	35	38	32	39	59	65
10th %	83	85	90	56	38	32	44	40	43	36	40	60	81
15th %	86	101	109	59	50	36	48	50	46	40	42	62	82
20th %	106	108	119	79	53	39	52	53	48	44	55	62	91
30th %	122	142	132	100	57	53	62	63	54	52	68	86	110
40th %	141	156	179	109	74	79	71	66	59	57	73	96	121
Median	167	174	197	118	88	107	78	80	69	63	79	106	141
60th %	182	199	237	141	95	116	90	92	84	72	86	121	150
70th %	193	246	264	191	119	123	117	125	94	81	108	140	163
80th %	215	297	305	239	226	133	151	172	120	105	127	184	175
90th %	282	394	385	384	251	230	237	210	182	181	237	209	228
Maximum	437	428	1,207	516	591	422	571	560	675	516	438	580	341
Average	176	206	246	173	125	115	118	116	112	93	110	130	143

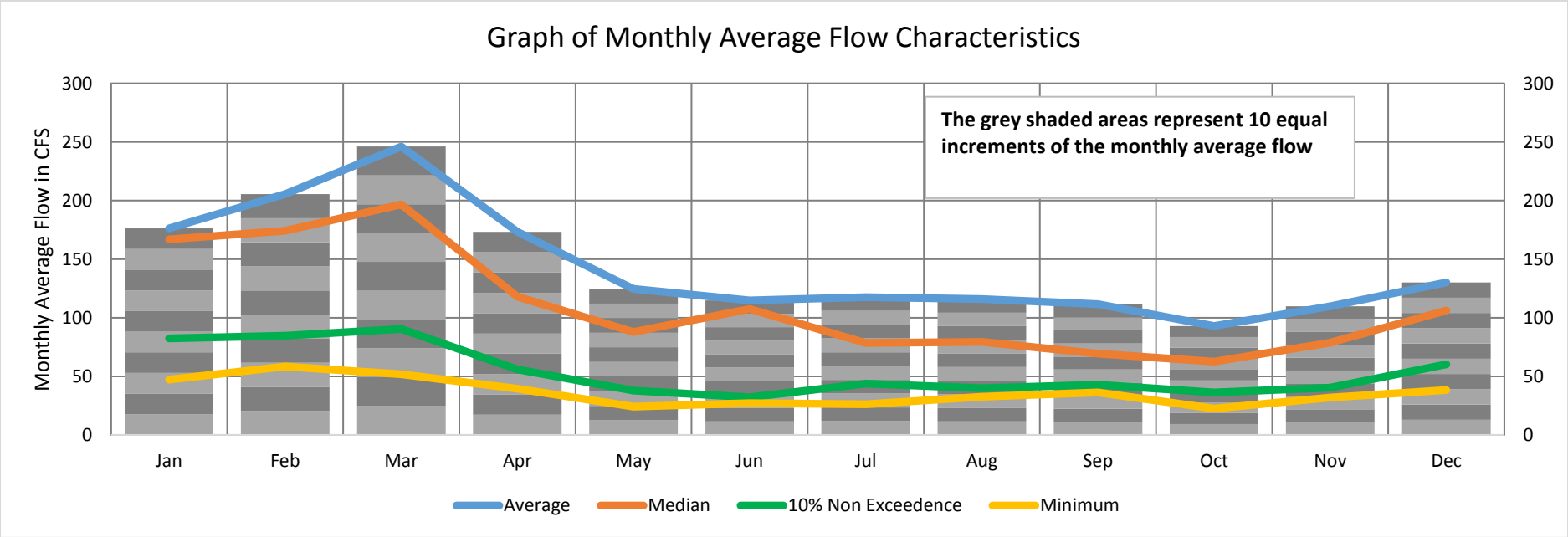
	Flows in CFS
Minimum	22.5
5th %	37
10th %	44
15th %	52
20th %	57
30th %	69
40th %	84
Median	105
60th %	124
70th %	159
80th %	204
90th %	287
Maximum	1,207
Average	143



Q10/Q50	0.42
Q10/Q90	0.15
	CFSM*
Qmin/DA	0.26
Q5/DA	0.42
Q10/DA	0.50
Q15/DA	0.59
Q20/DA	0.65
Q30/DA	0.78
Q40/DA	0.96
Q50/DA	1.19
Q60/DA	1.42
Q70/DA	1.81
Q80/DA	2.32
Q90/DA	3.27
Qmax/DA	13.76

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

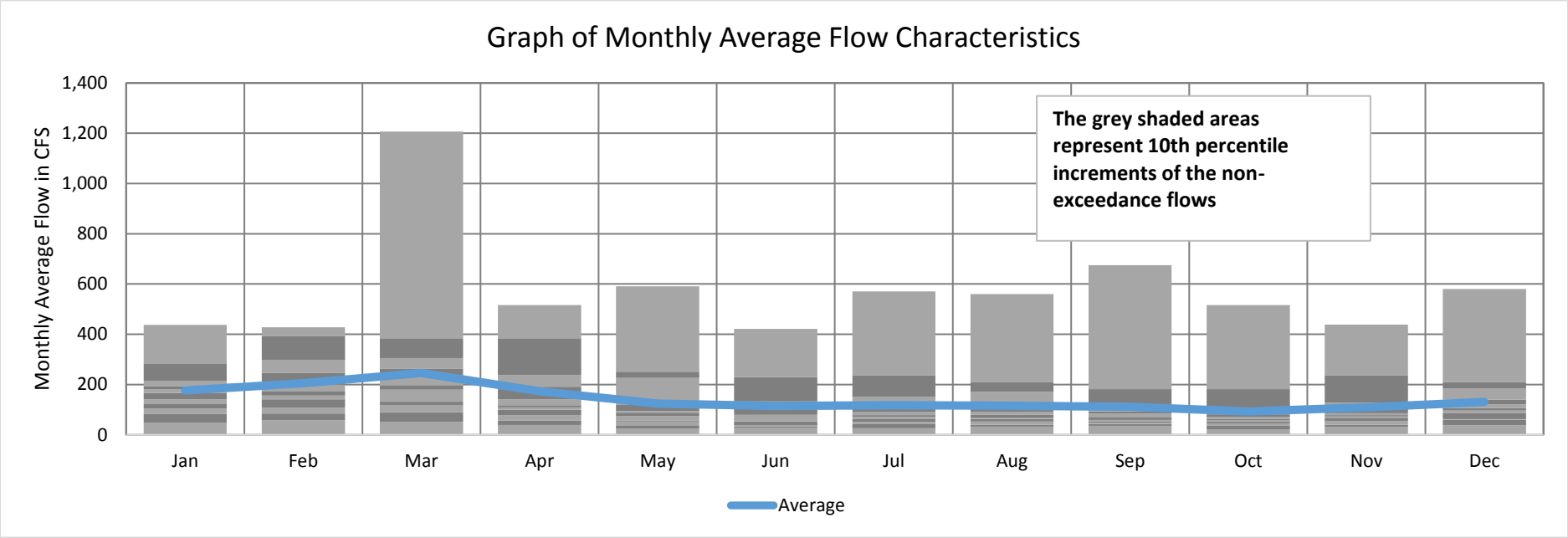
Site #: 03140104 Name: Blackwater River Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	176	206	246	173	125	115	118	116	112	93	110	130
100%	437	428	1,207	516	591	422	571	560	675	516	438	580
98%	419	422	804	497	387	388	464	386	560	397	366	334
95%	371	401	571	465	295	372	328	271	300	241	274	223
90%	282	394	385	384	251	230	237	210	182	181	237	209
75%	202	283	284	209	152	131	126	145	113	87	116	154
50%	167	174	197	118	88	107	78	80	69	63	79	106
25%	112	133	128	88	53	43	57	59	49	45	61	82
10%	83	85	90	56	38	32	44	40	43	36	40	60
5%	76	65	76	52	28	29	37	35	38	32	39	59
2%	54	63	67	48	25	28	28	34	38	27	33	47
0%	47	58	52	40	24	27	26	33	36	23	32	38

Site #: 03140104 Name: Blackwater River Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 88 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	176	206	246	173	125	115	118	116	112	93	110	130
100%	437	428	1,207	516	591	422	571	560	675	516	438	580
98%	419	422	804	497	387	388	464	386	560	397	366	334
95%	371	401	571	465	295	372	328	271	300	241	274	223
90%	282	394	385	384	251	230	237	210	182	181	237	209
75%	202	283	284	209	152	131	126	145	113	87	116	154
50%	167	174	197	118	88	107	78	80	69	63	79	106
25%	112	133	128	88	53	43	57	59	49	45	61	82
10%	83	85	90	56	38	32	44	40	43	36	40	60
5%	76	65	76	52	28	29	37	35	38	32	39	59
2%	54	63	67	48	25	28	28	34	38	27	33	47
0%	47	58	52	40	24	27	26	33	36	23	32	38

Monthly Flows (in CFS) for
03140106 - Perdido River Subbasin

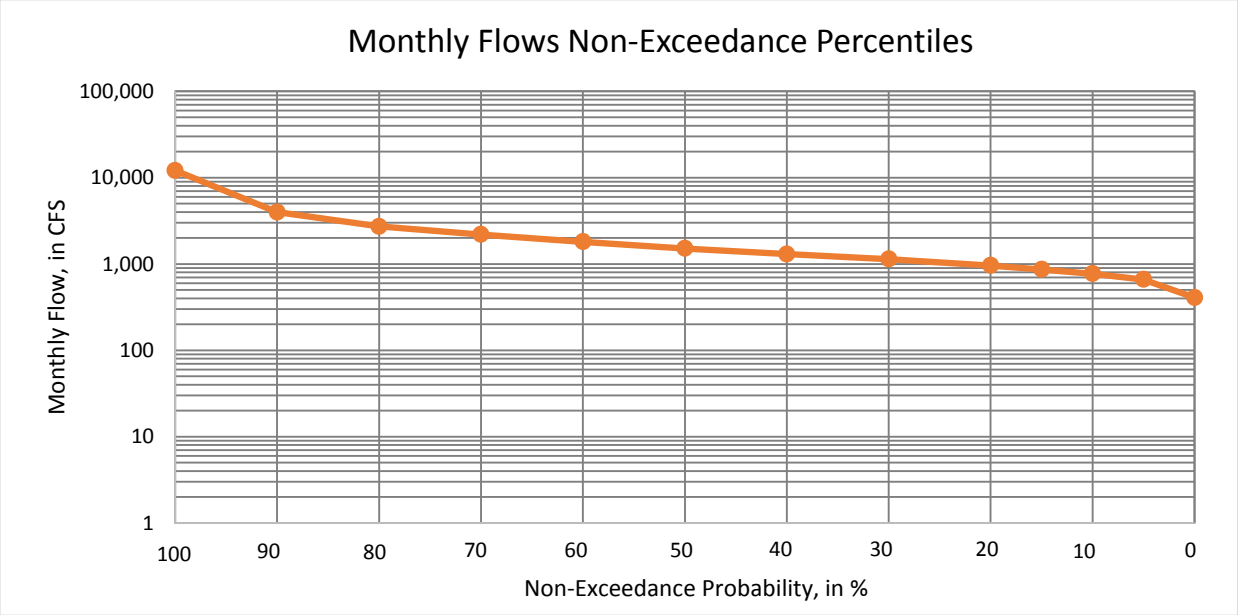
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	1,393	1,873	3,338	3,704	4,658	1,661	3,230	4,513	3,198	2,329	1,773	1,916	2,809
1976	3,721	2,547	3,218	1,906	4,431	1,625	1,409	1,268	1,285	1,361	1,231	1,508	2,129
1977	1,611	2,256	2,036	1,499	895	738	1,070	2,643	1,705	881	989	1,213	1,457
1978	3,179	2,571	2,198	2,433	4,245	2,927	1,481	2,582	1,798	962	1,142	1,402	2,242
1979	2,025	3,523	4,082	2,396	1,482	864	1,910	1,820	2,388	1,196	2,422	1,900	2,158
1980	2,574	1,762	5,797	8,634	4,578	2,663	1,523	1,291	1,155	1,463	1,871	1,277	2,884
1981	1,069	4,699	1,435	1,232	1,589	1,140	891	1,007	1,175	645	695	1,032	1,360
1982	1,889	3,203	1,826	1,021	775	758	1,343	1,247	904	770	857	1,528	1,333
1983	2,726	4,891	5,780	8,707	1,966	1,903	1,514	985	1,200	938	1,422	3,492	2,941
1984	2,704	2,098	3,154	2,236	1,709	855	967	4,261	789	751	938	964	1,789
1985	1,312	4,032	2,296	1,009	812	1,503	2,499	1,461	1,809	2,377	3,338	2,712	2,083
1986	3,093	2,134	1,984	972	1,293	997	869	1,036	1,009	1,176	1,624	2,550	1,561
1987	2,299	3,061	3,170	1,527	1,521	1,639	1,359	1,598	791	628	1,291	1,351	1,679
1988	2,212	2,505	2,337	1,706	647	596	1,262	3,005	4,826	1,669	1,153	994	1,903
1989	941	903	1,280	1,173	1,612	7,462	3,038	954	761	1,234	5,284	2,208	2,233
1990	5,387	5,830	6,541	1,854	2,303	1,672	1,326	851	752	715	692	885	2,385
1991	3,944	2,797	2,670	1,970	5,270	2,651	2,671	1,645	1,224	816	1,427	1,242	2,363
1992	4,676	3,573	2,046	1,124	719	1,052	1,422	1,880	1,136	905	3,405	3,042	2,074
1993	3,427	2,404	3,372	2,835	1,616	1,013	1,782	1,003	1,112	1,068	1,358	1,298	1,856
1994	1,932	1,594	2,141	2,311	1,041	1,553	4,223	1,643	953	1,336	1,129	1,419	1,778
1995	1,781	1,731	3,109	3,340	4,414	1,465	1,397	4,166	1,126	6,289	4,034	3,173	3,018
1996	2,952	3,790	4,000	5,792	2,356	1,639	1,902	2,428	2,935	1,387	1,269	1,646	2,663
1997	2,114	2,572	1,801	1,906	1,941	2,746	7,020	1,883	939	997	2,864	2,732	2,462
1998	7,411	3,834	5,907	2,151	1,261	1,073	1,567	1,602	12,103	3,158	2,329	1,598	3,657
1999	2,260	1,370	2,178	1,031	821	2,526	1,931	1,079	778	1,371	718	1,072	1,430
2000	915	824	927	728	494	660	471	483	613	408	1,327	1,223	755
2001	1,341	1,094	3,754	833	502	1,103	1,213	2,195	989	774	576	770	1,268
2002	1,111	988	1,085	846	506	518	843	708	3,718	2,579	2,176	1,892	1,413
2003	1,711	1,752	3,093	1,413	4,550	4,536	6,754	3,051	1,844	1,182	1,247	1,749	2,754
2004	2,395	4,175	1,318	785	1,125	2,434	1,504	1,314	4,594	1,218	3,084	3,332	2,253
2005	1,672	2,105	1,813	7,577	2,479	3,985	4,799	4,415	2,395	1,267	1,250	1,706	2,953
2006	1,884	1,822	1,237	1,017	1,145	765	644	964	1,220	1,097	1,899	1,044	1,223
2007	2,162	1,432	864	1,138	540	746	750	573	766	1,300	1,032	1,616	1,075
2008	2,613	2,678	1,781	3,255	1,289	690	938	1,735	1,752	799	718	1,496	1,637
2009	1,227	1,146	4,956	4,228	2,512	1,144	875	1,317	1,839	1,440	1,997	6,661	2,457
2010	5,868	4,703	2,890	1,190	2,307	1,250	911	1,190	777	593	1,379	1,068	1,998
2011	1,515	1,412	1,482	769	500	565	1,438	653	1,815	489	528	750	990
2012	807	2,103	1,025	644	803	2,156	838	1,318	1,440	779	524	932	1,105
2013	928	2,927	1,306	1,205	1,753	1,166	1,509	1,398	1,124	708	741	1,808	1,372
2014	1,685	2,050	2,696	5,422	5,389	2,297	2,033	970	1,017	869	680	1,289	2,199

Non-Exceedance Percentiles

03140106 - Perdido River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	807	824	864	644	494	518	471	483	613	408	524	750	755
5th %	928	983	1,020	767	502	594	745	649	761	588	574	879	1,071
10th %	1,056	1,141	1,221	829	537	687	843	837	776	643	691	961	1,211
15th %	1,210	1,406	1,302	953	708	745	874	963	787	714	714	1,027	1,323
20th %	1,335	1,562	1,412	1,015	798	764	907	982	881	766	736	1,064	1,370
30th %	1,654	1,804	1,809	1,134	997	1,008	1,170	1,066	1,003	811	1,019	1,237	1,530
40th %	1,843	2,101	2,042	1,221	1,277	1,125	1,353	1,282	1,125	925	1,200	1,330	1,785
Median	2,069	2,330	2,247	1,617	1,555	1,358	1,430	1,358	1,188	1,082	1,280	1,502	2,036
60th %	2,276	2,572	2,773	1,932	1,727	1,630	1,511	1,619	1,347	1,205	1,396	1,628	2,174
70th %	2,640	2,967	3,159	2,336	2,304	1,741	1,818	1,838	1,801	1,311	1,803	1,833	2,286
80th %	3,111	3,616	3,448	3,272	2,859	2,452	2,126	2,459	1,953	1,397	2,207	2,277	2,503
90th %	4,017	4,227	5,038	5,459	4,552	2,764	3,329	3,162	3,250	2,334	3,109	3,055	2,890
Maximum	7,411	5,830	6,541	8,707	5,389	7,462	7,020	4,513	12,103	6,289	5,284	6,661	3,657
Average	2,412	2,569	2,698	2,388	1,996	1,718	1,878	1,753	1,844	1,298	1,610	1,787	1,992

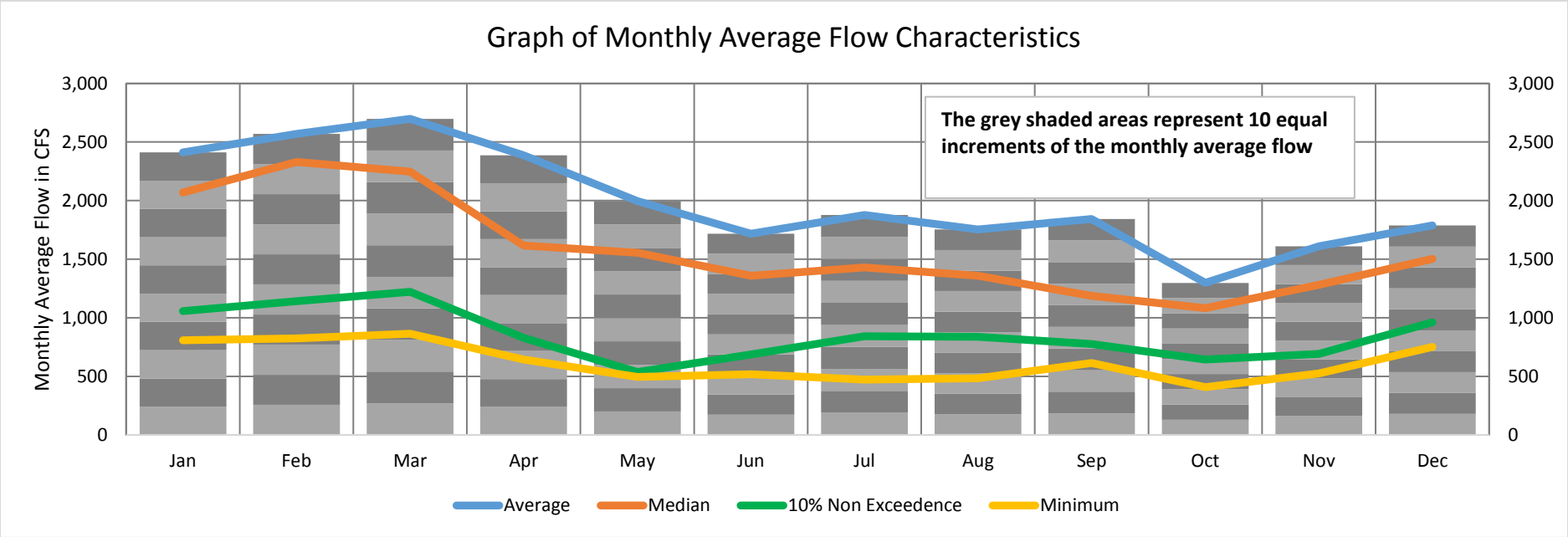
	Flows in CFS
Minimum	407.7
5th %	660
10th %	769
15th %	863
20th %	961
30th %	1,137
40th %	1,299
Median	1,512
60th %	1,808
70th %	2,196
80th %	2,715
90th %	3,987
Maximum	12,103
Average	1,996



Q10/Q50	0.51
Q10/Q90	0.19
	CFSM*
Qmin/DA	0.44
Q5/DA	0.72
Q10/DA	0.84
Q15/DA	0.94
Q20/DA	1.04
Q30/DA	1.24
Q40/DA	1.41
Q50/DA	1.64
Q60/DA	1.97
Q70/DA	2.39
Q80/DA	2.95
Q90/DA	4.33
Qmax/DA	13.16

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

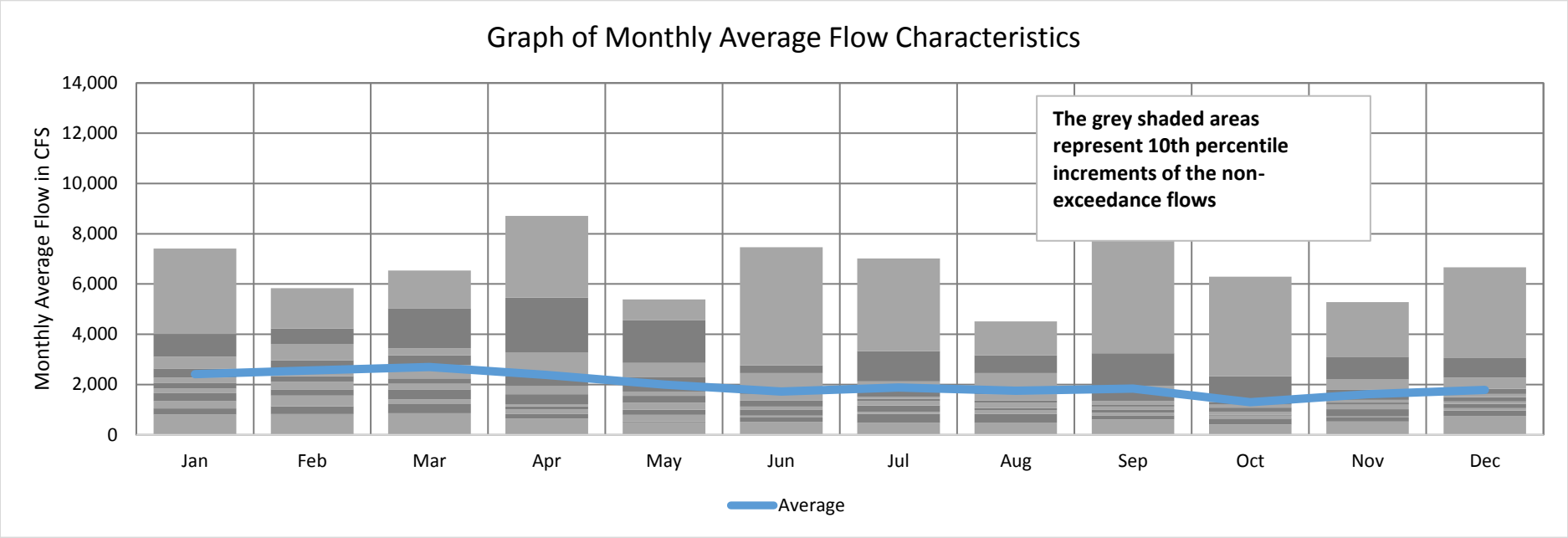
Site #: 03140106 Name: Perdido River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,412	2,569	2,698	2,388	1,996	1,718	1,878	1,753	1,844	1,298	1,610	1,787
100%	7,411	5,830	6,541	8,707	5,389	7,462	7,020	4,513	12,103	6,289	5,284	6,661
98%	6,208	5,097	6,047	8,650	5,296	5,180	6,812	4,437	6,427	3,847	4,309	4,189
95%	5,411	4,712	5,803	7,630	4,689	4,013	4,897	4,269	4,606	2,608	3,436	3,340
90%	4,017	4,227	5,038	5,459	4,552	2,764	3,329	3,162	3,250	2,334	3,109	3,055
75%	2,782	3,283	3,248	2,533	2,387	2,191	1,916	1,961	1,821	1,363	1,923	1,904
50%	2,069	2,330	2,247	1,617	1,555	1,358	1,430	1,358	1,188	1,082	1,280	1,502
25%	1,485	1,747	1,706	1,028	818	861	960	1,006	949	778	918	1,178
10%	1,056	1,141	1,221	829	537	687	843	837	776	643	691	961
5%	928	983	1,020	767	502	594	745	649	761	588	574	879
2%	891	885	913	709	499	555	606	553	721	471	527	766
0%	807	824	864	644	494	518	471	483	613	408	524	750

Site #: 03140106 Name: Perdido River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 920 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,412	2,569	2,698	2,388	1,996	1,718	1,878	1,753	1,844	1,298	1,610	1,787
100%	7,411	5,830	6,541	8,707	5,389	7,462	7,020	4,513	12,103	6,289	5,284	6,661
98%	6,208	5,097	6,047	8,650	5,296	5,180	6,812	4,437	6,427	3,847	4,309	4,189
95%	5,411	4,712	5,803	7,630	4,689	4,013	4,897	4,269	4,606	2,608	3,436	3,340
90%	4,017	4,227	5,038	5,459	4,552	2,764	3,329	3,162	3,250	2,334	3,109	3,055
75%	2,782	3,283	3,248	2,533	2,387	2,191	1,916	1,961	1,821	1,363	1,923	1,904
50%	2,069	2,330	2,247	1,617	1,555	1,358	1,430	1,358	1,188	1,082	1,280	1,502
25%	1,485	1,747	1,706	1,028	818	861	960	1,006	949	778	918	1,178
10%	1,056	1,141	1,221	829	537	687	843	837	776	643	691	961
5%	928	983	1,020	767	502	594	745	649	761	588	574	879
2%	891	885	913	709	499	555	606	553	721	471	527	766
0%	807	824	864	644	494	518	471	483	613	408	524	750

Monthly Flows (in CFS) for
03140201 - Upper Choctawhatchee River Subbasin

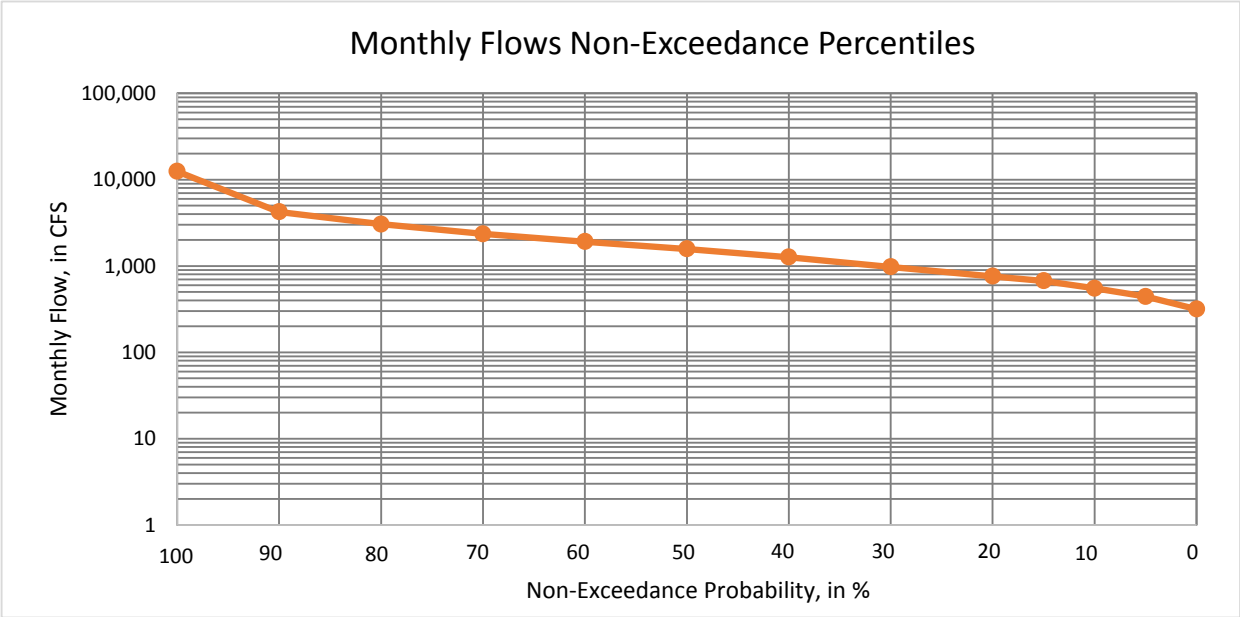
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	3,291	4,945	4,936	7,587	2,258	3,111	3,015	4,008	1,828	3,786	2,265	2,605	3,625
1976	3,812	2,769	3,044	3,066	3,305	2,018	1,326	1,167	1,537	2,628	3,955	4,570	2,768
1977	4,986	2,655	6,007	2,300	965	767	864	1,586	1,760	1,021	2,822	2,537	2,358
1978	7,445	3,774	5,120	3,017	3,374	2,636	1,302	1,745	617	592	807	1,333	2,647
1979	2,946	5,578	4,032	4,234	1,917	1,286	1,969	956	1,401	1,139	1,535	1,815	2,378
1980	2,274	1,896	6,306	4,919	2,707	1,734	1,078	790	543	744	791	870	2,056
1981	916	3,832	2,643	2,007	767	675	471	727	647	560	629	1,568	1,269
1982	3,480	5,675	3,344	2,876	1,054	824	1,642	1,654	888	673	1,113	2,775	2,146
1983	3,188	4,100	5,392	4,712	2,557	2,152	1,560	981	1,339	726	1,428	3,003	2,585
1984	3,378	2,907	4,534	3,321	3,042	1,066	1,362	1,686	535	499	761	1,094	2,014
1985	1,215	4,827	2,260	1,336	1,258	671	1,015	863	545	897	1,308	2,822	1,565
1986	2,512	2,701	3,040	1,326	656	480	423	496	681	477	862	1,435	1,250
1987	2,611	2,894	3,614	2,075	1,572	2,048	894	529	551	336	699	884	1,550
1988	2,057	2,537	3,975	1,790	659	384	1,440	375	1,148	637	730	743	1,367
1989	932	1,267	1,831	2,169	1,469	2,397	2,863	918	638	1,851	3,514	3,677	1,964
1990	6,402	4,211	10,558	2,783	2,147	1,435	939	480	414	411	524	975	2,608
1991	2,907	3,776	4,744	2,264	2,808	1,874	1,818	1,386	751	600	1,107	1,212	2,097
1992	3,786	4,440	4,825	2,030	947	1,451	1,130	1,205	786	1,105	4,384	3,129	2,421
1993	3,052	3,001	4,636	3,368	1,526	767	853	549	770	701	1,736	1,907	1,899
1994	2,101	3,160	3,713	2,616	1,713	1,806	12,445	2,088	1,213	1,852	1,504	1,846	3,017
1995	1,874	4,932	3,392	2,227	1,240	939	864	935	440	1,816	2,309	2,829	1,964
1996	3,448	4,197	4,911	4,423	1,957	1,309	1,069	1,493	2,750	1,816	1,469	3,040	2,646
1997	4,820	5,044	2,634	1,959	1,785	1,717	1,909	935	514	1,181	2,321	4,263	2,411
1998	4,721	5,560	8,596	4,236	1,449	743	1,267	855	2,152	3,344	1,347	1,585	2,976
1999	2,478	1,832	2,223	1,006	2,137	1,914	1,941	827	511	971	876	1,127	1,489
2000	1,577	1,538	1,544	884	361	333	320	444	685	362	825	1,859	891
2001	2,138	1,413	6,898	3,414	753	1,800	1,144	844	711	529	692	950	1,778
2002	1,068	1,402	1,763	1,719	693	612	673	478	522	599	1,102	1,924	1,044
2003	1,452	1,872	3,350	4,226	1,653	2,831	4,197	3,370	1,946	1,134	1,437	1,720	2,435
2004	1,937	3,552	1,748	1,304	1,613	1,530	1,055	688	1,449	1,031	1,585	1,949	1,606
2005	2,135	2,372	4,925	5,704	1,924	2,233	2,851	2,632	1,210	786	1,271	2,011	2,504
2006	2,626	2,678	2,530	1,164	1,217	411	363	480	499	631	1,066	1,171	1,230
2007	1,718	1,865	1,863	3,420	565	345	563	352	383	433	672	1,578	1,140
2008	2,730	4,403	2,240	2,325	611	442	598	2,012	679	772	1,182	4,821	1,889
2009	2,339	1,428	4,276	5,451	3,058	1,317	1,544	1,392	1,526	1,606	2,283	9,664	3,007
2010	5,959	5,617	3,261	1,699	1,964	1,151	818	678	504	491	737	1,040	1,974
2011	1,444	2,072	1,833	991	388	316	794	350	331	326	405	781	829
2012	910	1,255	952	729	563	599	425	1,438	908	573	467	1,033	819
2013	1,025	5,050	2,539	1,939	1,195	931	6,774	3,594	1,764	1,038	1,077	2,896	2,476
2014	2,818	3,952	2,962	7,715	3,999	1,591	919	670	728	1,241	1,043	2,085	2,461

Non-Exceedance Percentiles

03140201 - Upper Choctawhatchee River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	910	1,255	952	729	361	316	320	350	331	326	405	743	819
5th %	931	1,395	1,738	986	554	344	420	374	413	360	521	865	888
10th %	1,063	1,427	1,824	1,148	607	409	466	475	493	430	668	943	1,130
15th %	1,410	1,788	1,859	1,323	659	475	592	480	510	489	698	1,024	1,247
20th %	1,552	1,871	2,236	1,626	741	609	770	522	521	523	735	1,083	1,348
30th %	2,021	2,487	2,606	1,953	1,027	760	864	685	550	597	819	1,296	1,594
40th %	2,220	2,742	3,042	2,131	1,251	936	984	837	666	658	1,057	1,582	1,938
Median	2,562	3,080	3,371	2,313	1,549	1,298	1,104	926	719	758	1,110	1,852	2,035
60th %	2,854	3,798	3,998	2,932	1,742	1,482	1,312	1,055	827	991	1,324	1,974	2,366
70th %	3,219	4,201	4,669	3,382	1,959	1,754	1,549	1,406	1,211	1,114	1,479	2,656	2,443
80th %	3,541	4,848	4,927	4,234	2,318	1,934	1,916	1,660	1,465	1,314	1,842	2,918	2,589
90th %	4,836	5,101	6,037	4,972	3,043	2,249	2,879	2,142	1,770	1,851	2,371	3,736	2,789
Maximum	7,445	5,675	10,558	7,715	3,999	3,111	12,445	4,008	2,750	3,786	4,384	9,664	3,625
Average	2,813	3,324	3,825	2,908	1,646	1,316	1,712	1,216	970	1,048	1,416	2,228	2,029

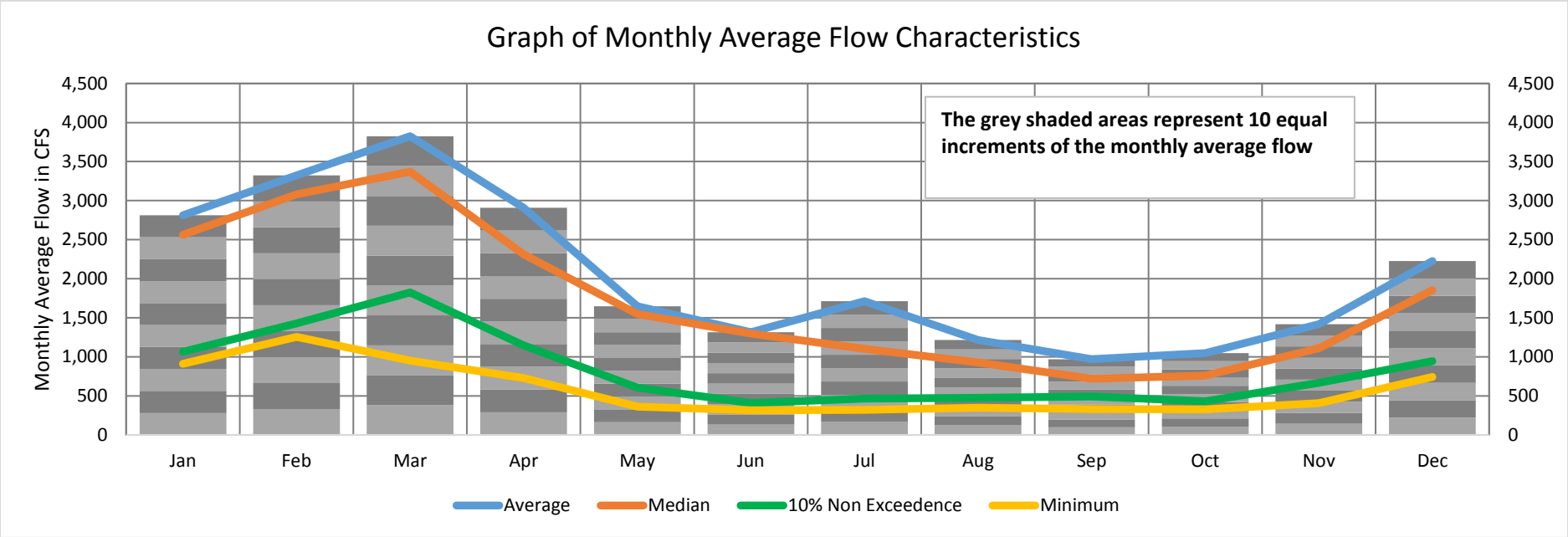
	Flows in CFS
Minimum	315.6
5th %	442
10th %	551
15th %	673
20th %	760
30th %	973
40th %	1,263
Median	1,574
60th %	1,908
70th %	2,349
80th %	3,040
90th %	4,227
Maximum	12,445
Average	2,035



Q10/Q50	0.35
Q10/Q90	0.13
	CFSM*
Qmin/DA	0.20
Q5/DA	0.28
Q10/DA	0.35
Q15/DA	0.43
Q20/DA	0.49
Q30/DA	0.62
Q40/DA	0.81
Q50/DA	1.01
Q60/DA	1.22
Q70/DA	1.51
Q80/DA	1.95
Q90/DA	2.71
Qmax/DA	7.98

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

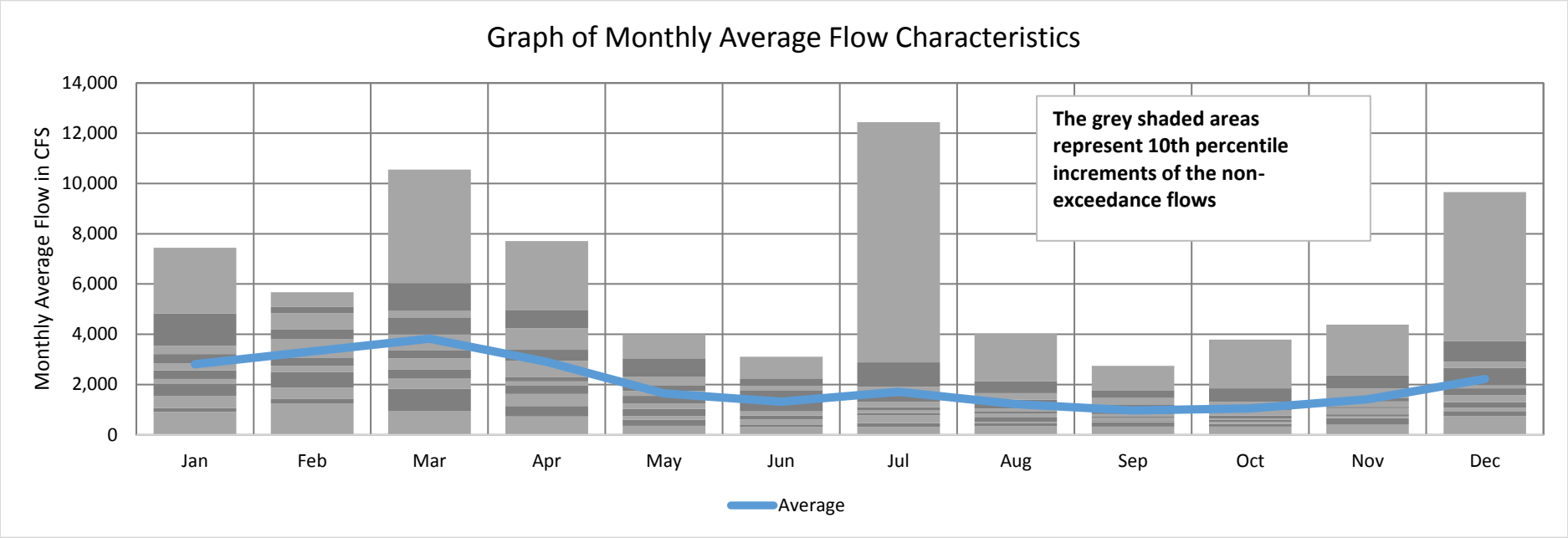
Site #: 03140201 Name: Upper Choctawhatchee River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,813	3,324	3,825	2,908	1,646	1,316	1,712	1,216	970	1,048	1,416	2,228
100%	7,445	5,675	10,558	7,715	3,999	3,111	12,445	4,008	2,750	3,786	4,384	9,664
98%	6,631	5,630	9,028	7,615	3,511	2,892	8,022	3,685	2,284	3,441	4,050	5,887
95%	5,981	5,580	6,983	5,798	3,309	2,646	4,326	3,381	1,956	2,664	3,536	4,582
90%	4,836	5,101	6,037	4,972	3,043	2,249	2,879	2,142	1,770	1,851	2,371	3,736
75%	3,395	4,413	4,847	3,621	2,139	1,823	1,686	1,516	1,355	1,150	1,548	2,824
50%	2,562	3,080	3,371	2,313	1,549	1,298	1,104	926	719	758	1,110	1,852
25%	1,835	2,028	2,463	1,772	902	674	844	640	541	570	783	1,160
10%	1,063	1,427	1,824	1,148	607	409	466	475	493	430	668	943
5%	931	1,395	1,738	986	554	344	420	374	413	360	521	865
2%	915	1,264	1,414	850	382	329	353	352	372	334	453	773
0%	910	1,255	952	729	361	316	320	350	331	326	405	743

Site #: 03140201 Name: Upper Choctawhatchee River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 1,560 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,813	3,324	3,825	2,908	1,646	1,316	1,712	1,216	970	1,048	1,416	2,228
100%	7,445	5,675	10,558	7,715	3,999	3,111	12,445	4,008	2,750	3,786	4,384	9,664
98%	6,631	5,630	9,028	7,615	3,511	2,892	8,022	3,685	2,284	3,441	4,050	5,887
95%	5,981	5,580	6,983	5,798	3,309	2,646	4,326	3,381	1,956	2,664	3,536	4,582
90%	4,836	5,101	6,037	4,972	3,043	2,249	2,879	2,142	1,770	1,851	2,371	3,736
75%	3,395	4,413	4,847	3,621	2,139	1,823	1,686	1,516	1,355	1,150	1,548	2,824
50%	2,562	3,080	3,371	2,313	1,549	1,298	1,104	926	719	758	1,110	1,852
25%	1,835	2,028	2,463	1,772	902	674	844	640	541	570	783	1,160
10%	1,063	1,427	1,824	1,148	607	409	466	475	493	430	668	943
5%	931	1,395	1,738	986	554	344	420	374	413	360	521	865
2%	915	1,264	1,414	850	382	329	353	352	372	334	453	773
0%	910	1,255	952	729	361	316	320	350	331	326	405	743

Monthly Flows (in CFS) for
03140202 - Pea River Subbasin

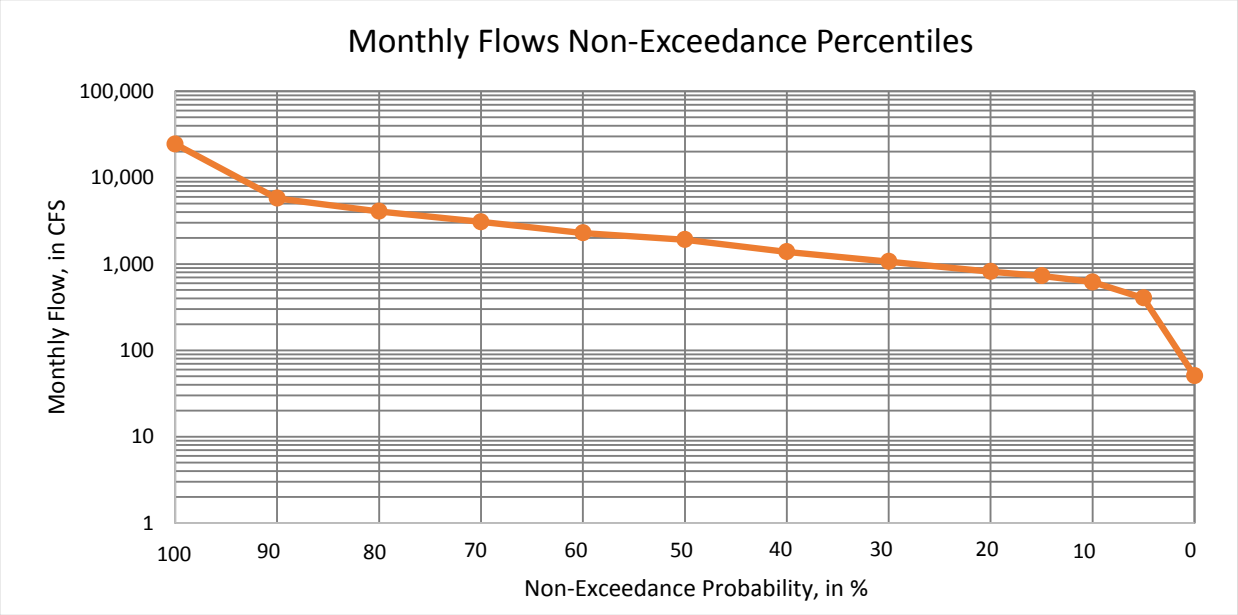
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	1,968	4,146	5,249	12,318	2,855	3,685	1,536	8,554	4,121	9,488	4,620	3,934	5,204
1976	3,962	4,891	3,648	4,172	6,150	4,454	1,822	1,474	1,192	1,805	840	5,964	3,359
1977	4,072	2,600	5,245	3,404	1,005	919	726	2,272	1,958	1,145	2,815	2,282	2,370
1978	7,833	7,064	7,215	4,451	8,479	3,984	1,797	2,126	811	627	801	1,638	3,891
1979	3,775	6,954	8,047	5,362	3,136	1,437	2,031	1,314	1,864	1,894	1,903	2,324	3,315
1980	2,729	2,473	11,945	10,743	4,791	2,083	1,210	919	868	745	1,406	1,179	3,428
1981	1,024	5,768	2,543	1,787	1,275	911	742	740	653	407	567	665	1,393
1982	4,126	8,406	3,871	2,100	2,013	822	1,175	1,869	940	698	747	2,933	2,441
1983	4,099	6,059	5,573	8,658	2,889	2,057	2,819	1,294	1,521	869	1,154	3,665	3,367
1984	3,937	3,062	7,569	3,077	1,285	849	846	1,933	774	538	684	1,120	2,141
1985	944	3,665	3,015	1,243	1,238	736	673	933	1,002	926	1,976	4,049	1,689
1986	4,051	5,049	4,972	1,438	885	762	637	611	685	629	769	2,033	1,861
1987	3,191	3,393	3,791	2,851	1,716	2,011	1,511	1,377	847	545	752	739	1,884
1988	2,092	3,452	4,476	2,191	850	607	1,152	1,013	3,927	2,217	1,790	1,417	2,087
1989	1,941	2,394	3,859	3,988	2,096	8,439	5,468	1,752	1,081	2,604	6,749	4,427	3,730
1990	10,631	6,842	13,088	3,958	3,867	2,003	1,273	905	564	682	757	784	3,776
1991	2,260	7,484	8,279	2,100	5,634	2,862	3,082	2,002	1,161	745	1,069	1,233	3,139
1992	4,603	8,739	5,594	2,694	1,097	3,518	1,907	1,918	1,420	1,014	4,262	6,595	3,578
1993	5,727	4,047	5,739	5,058	1,415	850	1,125	771	1,111	368	1,492	1,381	2,413
1994	1,970	4,155	4,225	4,461	1,224	4,004	24,497	4,411	2,000	3,174	1,067	2,697	4,851
1995	2,920	5,385	5,266	4,131	3,933	1,157	877	2,964	859	3,814	3,226	2,225	3,052
1996	2,204	6,023	4,267	6,565	2,295	1,536	998	648	1,091	2,202	653	1,230	2,447
1997	2,537	4,192	4,343	1,811	3,139	1,670	2,343	1,993	705	168	2,118	3,948	2,408
1998	7,004	6,720	9,964	2,962	1,725	789	596	1,328	901	6,001	1,377	802	3,340
1999	1,312	1,244	2,078	846	1,175	1,608	3,838	951	515	395	445	850	1,276
2000	1,143	1,046	1,433	816	251	193	106	115	51	177	588	776	556
2001	1,599	1,292	8,675	3,047	790	2,241	681	1,789	922	517	578	709	1,911
2002	878	1,316	2,190	2,437	228	209	307	356	403	896	2,255	2,482	1,160
2003	2,205	2,400	7,036	4,411	2,376	4,072	4,987	4,890	2,067	1,069	1,263	1,923	3,235
2004	1,897	5,481	2,332	818	2,176	3,294	2,393	917	4,019	1,841	2,838	3,513	2,602
2005	2,582	2,327	1,946	11,642	3,044	2,104	3,109	4,449	1,618	877	853	2,225	3,060
2006	3,045	2,429	2,414	1,033	1,521	439	402	606	657	610	1,649	929	1,306
2007	2,338	1,886	2,068	2,914	538	308	954	351	403	639	1,065	2,041	1,289
2008	4,018	5,400	3,300	2,794	835	665	670	1,328	1,102	714	369	3,334	2,025
2009	2,223	1,648	5,853	10,005	5,156	2,828	2,541	3,201	2,403	2,866	3,854	12,456	4,608
2010	7,941	9,926	4,889	1,879	2,394	1,185	848	730	342	364	590	752	2,612
2011	971	1,572	1,835	988	380	212	614	403	439	161	226	804	713
2012	1,440	2,193	1,733	1,357	702	1,063	550	2,510	3,333	1,077	526	1,395	1,483
2013	1,341	10,416	5,772	2,676	1,139	1,073	8,268	5,875	3,099	1,428	1,220	3,129	3,751
2014	3,977	4,365	4,070	10,783	6,869	2,124	1,494	893	703	806	616	2,096	3,220

Non-Exceedance Percentiles

03140202 - Pea River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	878	1,046	1,433	816	228	193	106	115	51	161	226	665	556
5th %	970	1,290	1,830	844	374	212	398	356	400	177	441	737	1,138
10th %	1,131	1,547	2,056	1,029	685	426	591	586	435	368	563	774	1,287
15th %	1,337	1,850	2,173	1,339	828	657	634	642	557	405	587	799	1,380
20th %	1,567	2,300	2,398	1,717	878	757	673	738	656	534	611	841	1,648
30th %	1,969	2,460	3,543	2,100	1,164	850	814	914	753	628	751	1,214	1,991
40th %	2,216	3,428	3,990	2,687	1,281	1,069	980	988	864	708	824	1,408	2,393
Median	2,559	4,150	4,409	2,938	1,721	1,486	1,192	1,328	971	838	1,068	2,037	2,524
60th %	3,104	4,954	5,247	3,625	2,224	2,006	1,521	1,767	1,105	961	1,308	2,248	3,091
70th %	3,966	5,567	5,637	4,244	2,866	2,110	1,944	1,951	1,450	1,230	1,691	2,768	3,322
80th %	4,078	6,744	7,072	5,119	3,285	2,948	2,597	2,320	1,967	1,955	2,145	3,543	3,458
90th %	5,855	7,577	8,318	10,079	5,204	3,986	3,953	4,415	3,123	2,897	3,289	4,087	3,787
Maximum	10,631	10,416	13,088	12,318	8,479	8,439	24,497	8,554	4,121	9,488	6,749	12,456	5,204
Average	3,213	4,448	4,985	3,999	2,364	1,894	2,315	1,862	1,353	1,444	1,563	2,467	2,649

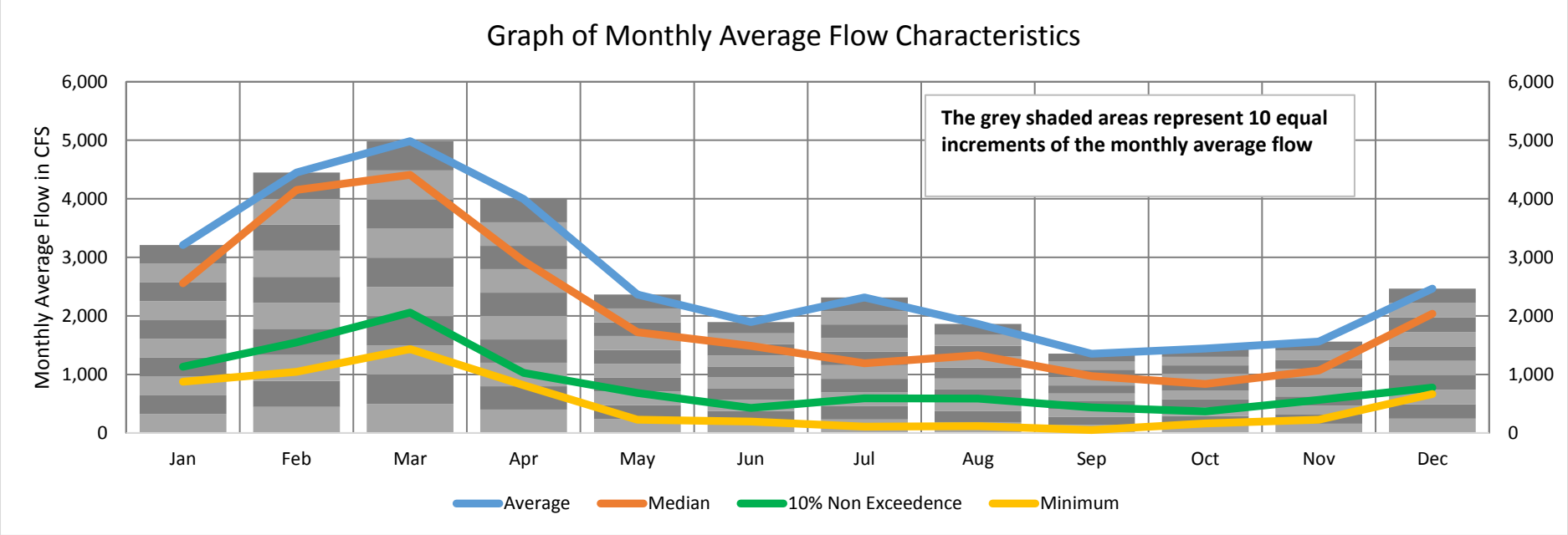
	Flows in CFS
Minimum	50.6
5th %	403
10th %	616
15th %	729
20th %	815
30th %	1,064
40th %	1,379
Median	1,913
60th %	2,287
70th %	3,066
80th %	4,055
90th %	5,742
Maximum	24,497
Average	2,659



Q10/Q50	0.32
Q10/Q90	0.11
	CFSM*
Qmin/DA	0.03
Q5/DA	0.26
Q10/DA	0.40
Q15/DA	0.47
Q20/DA	0.53
Q30/DA	0.69
Q40/DA	0.89
Q50/DA	1.23
Q60/DA	1.47
Q70/DA	1.98
Q80/DA	2.61
Q90/DA	3.70
Qmax/DA	15.78

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

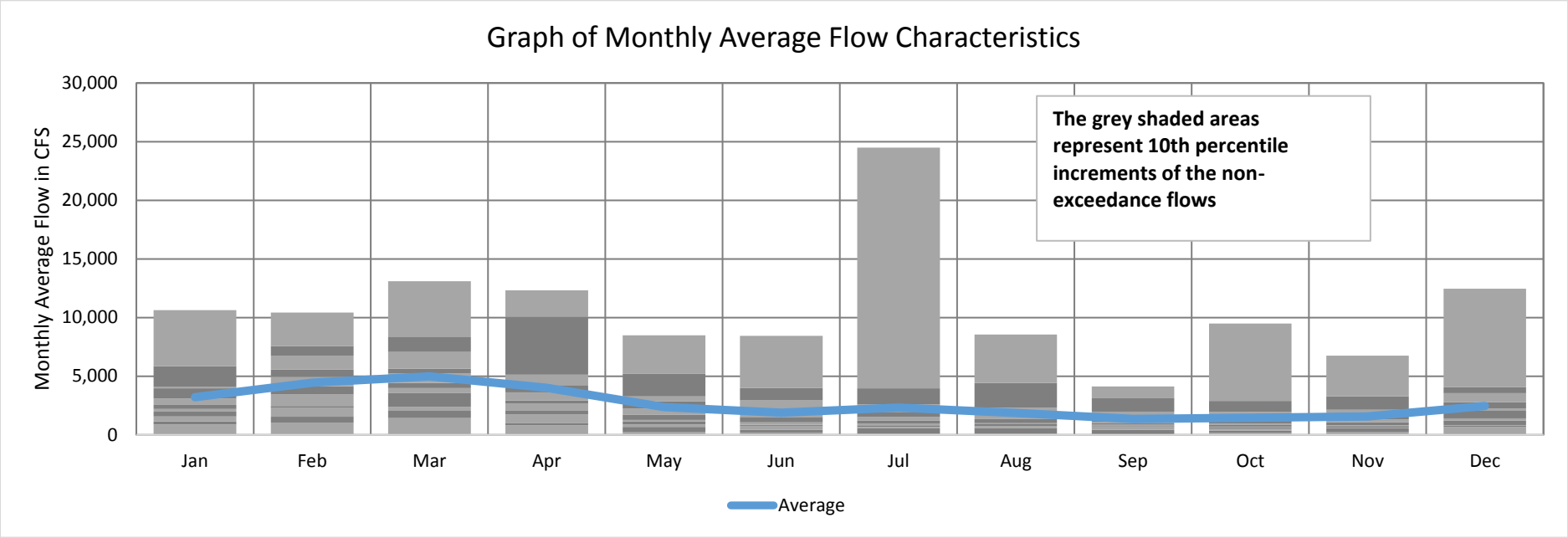
Site #: 03140202 Name: Pea River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	3,213	4,448	4,985	3,999	2,364	1,894	2,315	1,862	1,353	1,444	1,563	2,467
100%	10,631	10,416	13,088	12,318	8,479	8,439	24,497	8,554	4,121	9,488	6,749	12,456
98%	8,533	10,034	12,196	11,790	7,223	5,330	11,838	6,465	4,042	6,768	5,088	7,885
95%	7,838	8,798	10,063	10,826	6,186	4,091	5,608	4,939	3,932	3,923	4,280	5,995
90%	5,855	7,577	8,318	10,079	5,204	3,986	3,953	4,415	3,123	2,897	3,289	4,087
75%	4,026	6,032	5,792	4,453	3,067	2,388	2,355	2,033	1,679	1,814	1,921	3,180
50%	2,559	4,150	4,409	2,938	1,721	1,486	1,192	1,328	971	838	1,068	2,037
25%	1,930	2,399	2,897	1,862	1,074	813	715	863	698	594	676	1,072
10%	1,131	1,547	2,056	1,029	685	426	591	586	435	368	563	774
5%	970	1,290	1,830	844	374	212	398	356	400	177	441	737
2%	929	1,200	1,667	817	246	205	263	299	278	166	338	699
0%	878	1,046	1,433	816	228	193	106	115	51	161	226	665

Site #: 03140202 Name: Pea River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 1,552 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	3,213	4,448	4,985	3,999	2,364	1,894	2,315	1,862	1,353	1,444	1,563	2,467
100%	10,631	10,416	13,088	12,318	8,479	8,439	24,497	8,554	4,121	9,488	6,749	12,456
98%	8,533	10,034	12,196	11,790	7,223	5,330	11,838	6,465	4,042	6,768	5,088	7,885
95%	7,838	8,798	10,063	10,826	6,186	4,091	5,608	4,939	3,932	3,923	4,280	5,995
90%	5,855	7,577	8,318	10,079	5,204	3,986	3,953	4,415	3,123	2,897	3,289	4,087
75%	4,026	6,032	5,792	4,453	3,067	2,388	2,355	2,033	1,679	1,814	1,921	3,180
50%	2,559	4,150	4,409	2,938	1,721	1,486	1,192	1,328	971	838	1,068	2,037
25%	1,930	2,399	2,897	1,862	1,074	813	715	863	698	594	676	1,072
10%	1,131	1,547	2,056	1,029	685	426	591	586	435	368	563	774
5%	970	1,290	1,830	844	374	212	398	356	400	177	441	737
2%	929	1,200	1,667	817	246	205	263	299	278	166	338	699
0%	878	1,046	1,433	816	228	193	106	115	51	161	226	665

Monthly Flows (in CFS) for

03140203 - Lower Choctawhatchee River Subbasin in Alabama

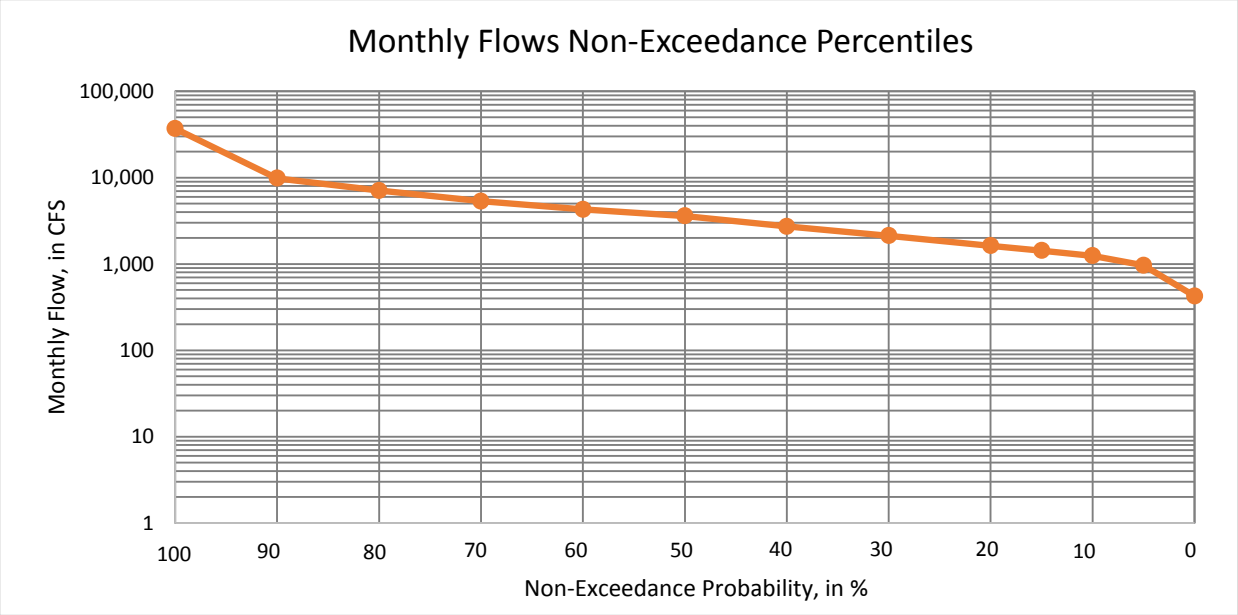
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	5,259	9,091	10,185	19,905	5,113	6,795	4,551	12,563	5,949	13,274	6,885	6,539	8,829
1976	7,774	7,660	6,691	7,238	9,456	6,472	3,147	2,640	2,729	4,433	4,795	10,533	6,127
1977	9,059	5,255	11,252	5,704	1,971	1,685	1,590	3,858	3,718	2,167	5,638	4,819	4,728
1978	15,278	10,838	12,335	7,468	11,852	6,620	3,099	3,872	1,428	1,219	1,608	2,971	6,539
1979	6,721	12,532	12,079	9,596	5,053	2,723	4,000	2,270	3,264	3,033	3,439	4,138	5,692
1980	5,003	4,370	18,251	15,662	7,497	3,818	2,288	1,709	1,411	1,489	2,197	2,049	5,485
1981	1,940	9,600	5,186	3,794	2,042	1,586	1,213	1,467	1,299	966	1,196	2,233	2,662
1982	7,606	14,082	7,215	4,975	3,067	1,645	2,817	3,522	1,827	1,371	1,860	5,708	4,586
1983	7,287	10,159	10,966	13,370	5,447	4,209	4,379	2,274	2,860	1,596	2,582	6,668	5,951
1984	7,314	5,968	12,103	6,399	4,327	1,915	2,208	3,619	1,308	1,037	1,446	2,214	4,155
1985	2,159	8,492	5,275	2,578	2,496	1,407	1,688	1,796	1,547	1,823	3,284	6,872	3,254
1986	6,563	7,750	8,011	2,764	1,541	1,242	1,060	1,107	1,366	1,106	1,631	3,468	3,111
1987	5,802	6,288	7,405	4,926	3,288	4,059	2,405	1,906	1,399	881	1,452	1,623	3,435
1988	4,148	5,988	8,451	3,981	1,510	991	2,592	1,388	5,075	2,854	2,520	2,160	3,454
1989	2,872	3,661	5,691	6,157	3,565	10,836	8,332	2,670	1,719	4,455	10,263	8,104	5,693
1990	17,032	11,053	23,646	6,742	6,013	3,437	2,212	1,385	979	1,093	1,281	1,759	6,383
1991	5,166	11,261	13,023	4,363	8,442	4,736	4,900	3,388	1,912	1,346	2,176	2,444	5,235
1992	8,390	13,179	10,419	4,724	2,044	4,968	3,037	3,123	2,206	2,119	8,647	9,725	6,000
1993	8,779	7,048	10,376	8,425	2,941	1,617	1,978	1,320	1,880	1,070	3,228	3,287	4,313
1994	4,071	7,314	7,938	7,077	2,937	5,809	36,943	6,499	3,213	5,026	2,571	4,543	7,867
1995	4,795	10,317	8,657	6,358	5,173	2,096	1,742	3,899	1,299	5,630	5,535	5,053	5,016
1996	5,652	10,220	9,179	10,988	4,252	2,845	2,067	2,141	3,842	4,018	2,121	4,269	5,093
1997	7,356	9,236	6,977	3,770	4,924	3,386	4,252	2,927	1,220	1,349	4,438	8,211	4,819
1998	11,726	12,279	18,560	7,198	3,174	1,533	1,863	2,183	3,053	9,344	2,724	2,387	6,316
1999	3,790	3,075	4,301	1,852	3,312	3,521	5,780	1,778	1,027	1,366	1,321	1,977	2,765
2000	2,720	2,584	2,977	1,700	613	526	425	560	736	539	1,413	2,635	1,447
2001	3,737	2,705	15,574	6,461	1,544	4,041	1,825	2,633	1,633	1,046	1,270	1,659	3,689
2002	1,945	2,718	3,953	4,156	921	821	980	835	925	1,495	3,357	4,406	2,204
2003	3,656	4,272	10,386	8,637	4,029	6,903	9,184	8,259	4,012	2,203	2,699	3,643	5,669
2004	3,834	9,033	4,079	2,121	3,789	4,824	3,448	1,606	5,468	2,872	4,423	5,462	4,208
2005	4,717	4,699	6,870	17,345	4,968	4,336	5,960	7,081	2,828	1,663	2,123	4,236	5,564
2006	5,671	5,107	4,945	2,197	2,738	851	765	1,087	1,156	1,240	2,715	2,100	2,536
2007	4,057	3,751	3,932	6,334	1,104	653	1,517	703	786	1,072	1,737	3,619	2,429
2008	6,747	9,804	5,539	5,119	1,446	1,107	1,268	3,339	1,781	1,486	1,550	8,155	3,914
2009	4,562	3,076	10,130	15,455	8,214	4,144	4,085	4,593	3,930	4,472	6,138	22,120	7,615
2010	13,900	15,544	8,150	3,577	4,358	2,336	1,666	1,408	847	855	1,327	1,793	4,586
2011	2,416	3,644	3,668	1,979	768	528	1,408	753	770	488	631	1,585	1,542
2012	2,350	3,448	2,685	2,086	1,265	1,662	976	3,948	4,241	1,650	993	2,428	2,302
2013	2,367	15,465	8,310	4,615	2,334	2,004	15,042	9,469	4,863	2,466	2,297	6,026	6,227
2014	6,795	8,316	7,032	18,497	10,868	3,714	2,414	1,563	1,430	2,048	1,659	4,181	5,682

Non-Exceedance Percentiles

03140203 - Lower Choctawhatchee River Subbasin in Alabama

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	1,940	2,584	2,685	1,700	613	526	425	560	736	488	631	1,585	1,447
5th %	2,148	2,717	3,633	1,972	913	647	965	750	786	840	1,185	1,657	2,171
10th %	2,365	3,076	3,951	2,118	1,249	848	1,052	1,062	917	958	1,280	1,789	2,416
15th %	2,674	3,615	4,268	2,521	1,500	1,090	1,260	1,288	1,020	1,045	1,326	2,038	2,643
20th %	3,499	3,733	5,138	3,415	1,543	1,374	1,495	1,388	1,207	1,072	1,439	2,148	3,042
30th %	3,990	4,985	6,391	4,104	2,247	1,637	1,725	1,593	1,348	1,234	1,624	2,415	3,619
40th %	4,655	6,168	7,141	4,845	2,939	1,969	2,031	1,862	1,430	1,369	2,017	3,161	4,271
Median	5,213	7,705	8,081	5,930	3,300	2,784	2,346	2,272	1,750	1,546	2,247	3,891	4,773
60th %	6,107	9,056	8,866	6,424	4,118	3,598	2,905	2,773	2,029	1,913	2,629	4,324	5,335
70th %	6,943	9,910	10,379	7,210	4,937	4,084	3,614	3,428	2,918	2,282	3,245	5,176	5,685
80th %	7,640	10,881	11,417	8,829	5,228	4,753	4,413	3,877	3,743	3,230	4,426	6,565	6,025
90th %	9,325	12,596	13,278	15,476	8,237	6,486	6,197	6,557	4,303	4,528	5,688	8,161	6,399
Maximum	17,032	15,544	23,646	19,905	11,852	10,836	36,943	12,563	5,949	13,274	10,263	22,120	8,829
Average	6,025	7,772	8,810	6,907	4,010	3,210	4,028	3,078	2,323	2,492	2,979	4,695	4,678

	Flows in CFS
Minimum	425.5
5th %	964
10th %	1,242
15th %	1,426
20th %	1,622
30th %	2,121
40th %	2,719
Median	3,598
60th %	4,284
70th %	5,326
80th %	7,077
90th %	9,836
Maximum	36,943
Average	4,694

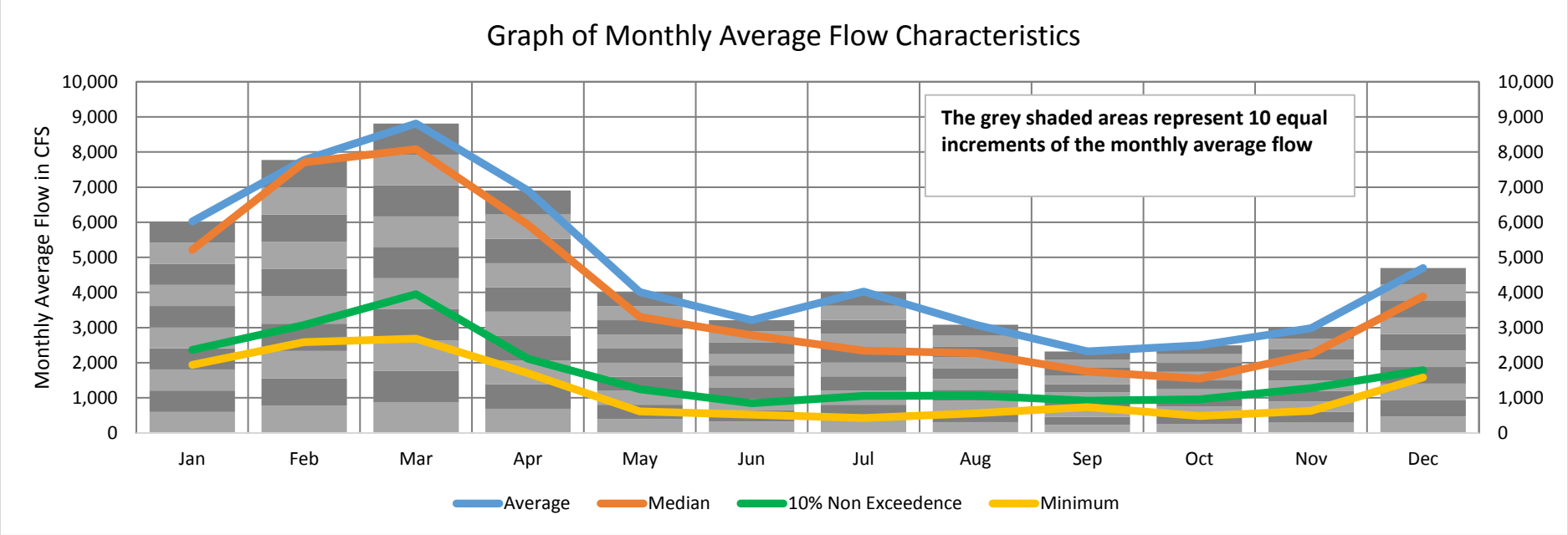


Q10/Q50	0.35
Q10/Q90	0.13
	CFSM*
Qmin/DA	0.13
Q5/DA	0.31
Q10/DA	0.39
Q15/DA	0.45
Q20/DA	0.51
Q30/DA	0.67
Q40/DA	0.86
Q50/DA	1.14
Q60/DA	1.36
Q70/DA	1.69
Q80/DA	2.24
Q90/DA	3.11
Qmax/DA	11.69

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

Site #: 03140203 Name: Lower Choctawhatchee River Subbasin in Alabama

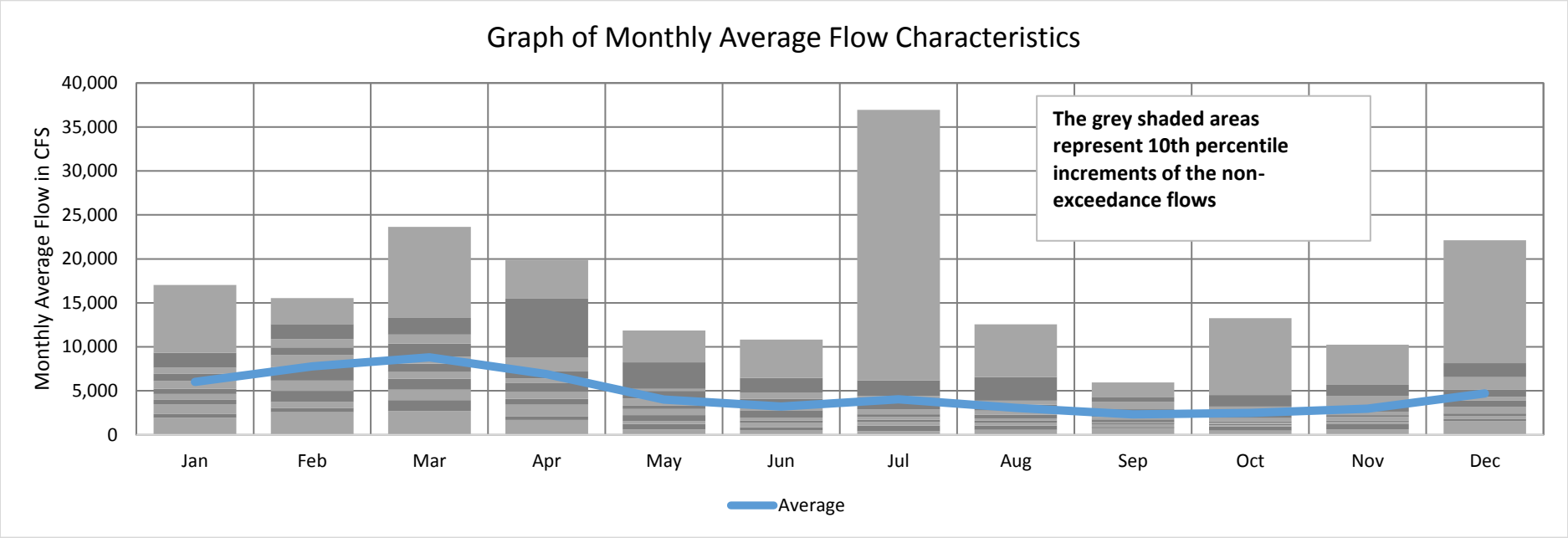
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	6,025	7,772	8,810	6,907	4,010	3,210	4,028	3,078	2,323	2,492	2,979	4,695
100%	17,032	15,544	23,646	19,905	11,852	10,836	36,943	12,563	5,949	13,274	10,263	22,120
98%	15,664	15,483	19,679	18,807	11,085	7,768	19,860	10,150	5,574	10,209	9,002	13,082
95%	13,969	14,151	18,267	17,403	9,526	6,801	9,477	8,320	5,095	5,815	6,973	9,765
90%	9,325	12,596	13,278	15,476	8,237	6,486	6,197	6,557	4,303	4,528	5,688	8,161
75%	7,325	10,244	10,556	7,707	5,068	4,241	4,127	3,679	3,226	2,859	3,377	5,787
50%	5,213	7,705	8,081	5,930	3,300	2,784	2,346	2,272	1,750	1,546	2,247	3,891
25%	3,777	4,345	5,473	3,788	2,024	1,573	1,647	1,452	1,299	1,103	1,526	2,228
10%	2,365	3,076	3,951	2,118	1,249	848	1,052	1,062	917	958	1,280	1,789
5%	2,148	2,717	3,633	1,972	913	647	965	750	786	840	1,185	1,657
2%	1,944	2,679	2,913	1,818	734	527	690	672	762	528	914	1,614
0%	1,940	2,584	2,685	1,700	613	526	425	560	736	488	631	1,585

Site #: 03140203 Name: Lower Choctawhatchee River Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 3,159 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	6,025	7,772	8,810	6,907	4,010	3,210	4,028	3,078	2,323	2,492	2,979	4,695
100%	17,032	15,544	23,646	19,905	11,852	10,836	36,943	12,563	5,949	13,274	10,263	22,120
98%	15,664	15,483	19,679	18,807	11,085	7,768	19,860	10,150	5,574	10,209	9,002	13,082
95%	13,969	14,151	18,267	17,403	9,526	6,801	9,477	8,320	5,095	5,815	6,973	9,765
90%	9,325	12,596	13,278	15,476	8,237	6,486	6,197	6,557	4,303	4,528	5,688	8,161
75%	7,325	10,244	10,556	7,707	5,068	4,241	4,127	3,679	3,226	2,859	3,377	5,787
50%	5,213	7,705	8,081	5,930	3,300	2,784	2,346	2,272	1,750	1,546	2,247	3,891
25%	3,777	4,345	5,473	3,788	2,024	1,573	1,647	1,452	1,299	1,103	1,526	2,228
10%	2,365	3,076	3,951	2,118	1,249	848	1,052	1,062	917	958	1,280	1,789
5%	2,148	2,717	3,633	1,972	913	647	965	750	786	840	1,185	1,657
2%	1,944	2,679	2,913	1,818	734	527	690	672	762	528	914	1,614
0%	1,940	2,584	2,685	1,700	613	526	425	560	736	488	631	1,585

Monthly Flows (in CFS) for
03140301 - Upper Conecuh River Subbasin

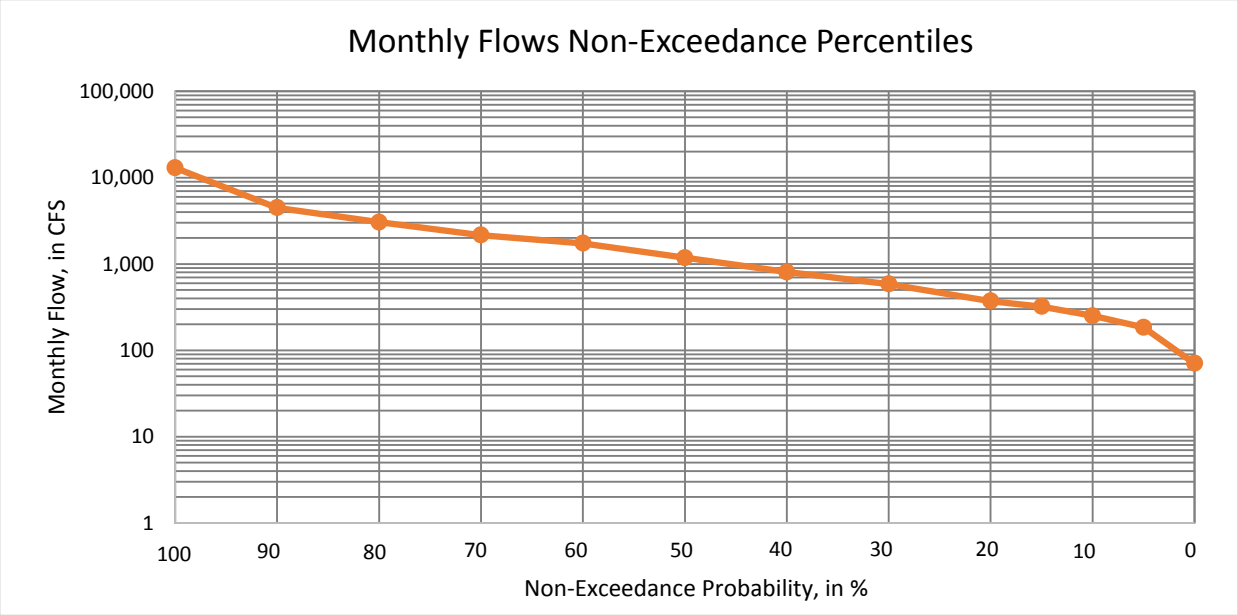
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	3,288	8,267	6,586	5,600	2,019	2,146	1,775	4,411	4,382	5,499	2,954	2,608	4,098
1976	4,013	2,847	3,803	3,630	5,255	2,799	1,014	742	638	678	1,350	3,960	2,563
1977	3,529	2,033	6,459	2,809	672	488	584	813	618	501	1,412	1,108	1,755
1978	7,100	3,199	3,303	2,643	4,003	1,951	728	1,201	312	230	371	792	2,153
1979	2,541	6,291	5,911	5,870	1,810	751	1,344	927	901	620	963	1,649	2,437
1980	2,326	1,997	5,525	7,392	3,357	1,093	449	325	312	442	554	597	2,028
1981	513	3,912	1,931	1,485	523	361	214	299	282	169	302	1,007	895
1982	3,221	5,600	2,412	2,189	2,114	489	1,100	1,101	383	309	641	2,553	1,822
1983	3,259	5,121	6,229	4,874	1,411	1,748	1,606	504	855	357	1,330	3,270	2,530
1984	3,421	2,669	4,086	1,880	1,373	354	287	1,133	227	178	358	1,025	1,414
1985	923	3,275	2,751	1,055	962	218	287	392	315	373	632	2,333	1,115
1986	1,931	2,591	6,111	1,074	461	322	185	164	461	229	814	1,459	1,314
1987	2,190	3,580	3,510	2,111	1,260	1,382	724	283	176	130	360	571	1,342
1988	2,956	2,382	3,713	1,802	405	164	363	170	653	558	712	621	1,203
1989	1,029	1,123	2,697	4,535	1,205	5,759	4,108	596	346	698	2,060	3,066	2,268
1990	6,441	5,435	12,978	3,252	1,827	740	478	249	146	201	255	495	2,703
1991	1,419	2,572	4,479	2,088	2,914	1,394	1,303	511	418	253	785	1,156	1,605
1992	4,552	5,042	3,000	1,771	587	1,393	860	489	333	371	5,057	4,785	2,333
1993	3,482	3,040	4,469	3,400	925	343	520	569	555	356	1,271	1,606	1,704
1994	1,748	3,092	2,427	1,694	663	1,141	7,929	2,116	671	1,127	971	1,759	2,114
1995	1,929	4,424	4,694	1,730	634	532	277	355	202	3,865	2,022	3,463	2,000
1996	3,888	5,797	4,559	5,080	1,824	1,010	552	580	1,929	578	725	1,111	2,275
1997	2,424	4,454	2,673	1,838	2,622	1,811	1,066	478	188	507	2,127	5,551	2,133
1998	4,842	5,759	9,095	2,562	826	333	374	323	2,637	4,279	794	742	2,701
1999	1,739	1,937	3,584	1,209	1,726	1,986	3,286	492	199	350	348	671	1,462
2000	943	777	1,516	678	162	103	70	85	142	150	400	780	483
2001	1,905	1,465	11,306	3,495	565	1,828	597	1,161	596	327	670	1,034	2,089
2002	1,188	1,685	2,624	1,371	300	264	397	258	266	1,154	1,936	2,698	1,177
2003	1,958	2,187	4,503	4,216	2,437	4,475	4,855	3,525	2,139	724	1,041	1,682	2,815
2004	1,942	4,127	2,080	767	737	1,514	1,020	704	3,754	1,000	1,984	2,367	1,812
2005	1,560	2,263	2,221	7,467	1,267	1,247	2,240	3,086	1,119	756	753	1,496	2,116
2006	1,850	2,205	2,097	882	1,719	258	179	186	203	287	1,084	452	944
2007	1,660	1,248	1,229	1,857	241	149	202	76	121	209	355	908	684
2008	2,329	3,246	2,258	1,758	241	88	111	1,645	673	271	434	2,364	1,275
2009	1,765	998	3,929	5,715	2,578	1,331	571	749	1,640	998	2,887	10,750	2,840
2010	6,985	6,066	5,309	1,458	2,043	712	350	539	238	233	557	763	2,087
2011	944	2,013	2,657	1,214	188	85	251	107	202	83	198	649	708
2012	862	1,855	1,197	1,230	460	723	246	309	846	195	143	709	722
2013	1,165	6,053	3,591	1,825	601	372	3,146	2,608	560	291	339	1,444	1,810
2014	2,330	3,981	2,938	8,255	2,683	1,175	560	525	300	351	477	1,202	2,044

Non-Exceedance Percentiles

03140301 - Upper Conecuh River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	513	777	1,197	678	162	85	70	76	121	83	143	452	483
5th %	920	1,117	1,502	876	238	103	176	106	146	149	252	567	707
10th %	944	1,444	2,065	1,072	294	163	201	169	187	177	336	619	878
15th %	1,145	1,829	2,202	1,214	452	252	241	239	201	200	354	668	1,089
20th %	1,373	1,985	2,381	1,343	511	311	272	278	203	225	359	736	1,197
30th %	1,745	2,199	2,668	1,719	624	359	359	324	277	266	464	873	1,392
40th %	1,919	2,584	2,975	1,816	791	515	466	485	314	320	638	1,079	1,734
Median	2,074	3,066	3,587	1,984	1,232	745	565	518	401	356	739	1,323	1,911
60th %	2,367	3,397	3,992	2,595	1,534	1,155	726	587	574	465	874	1,623	2,088
70th %	3,232	4,216	4,520	3,428	1,825	1,385	1,034	768	658	591	1,140	2,343	2,139
80th %	3,492	5,184	5,603	4,603	2,178	1,761	1,396	1,139	864	730	1,517	2,626	2,354
90th %	4,581	5,823	6,472	5,730	2,706	2,002	3,160	2,165	1,950	1,130	2,067	3,512	2,701
Maximum	7,100	8,267	12,978	8,255	5,255	5,759	7,929	4,411	4,382	5,499	5,057	10,750	4,098
Average	2,602	3,415	4,161	2,894	1,440	1,126	1,155	870	773	747	1,061	1,931	1,839

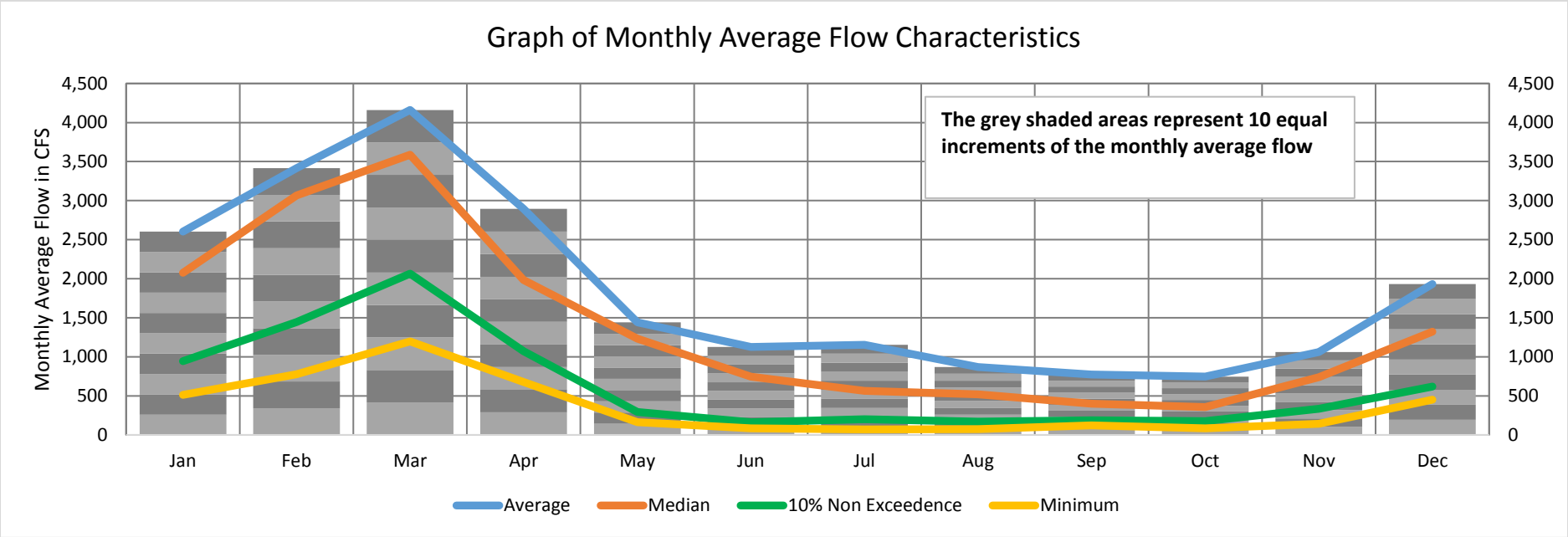
	Flows in CFS
Minimum	70.4
5th %	184
10th %	251
15th %	321
20th %	372
30th %	586
40th %	805
Median	1,182
60th %	1,733
70th %	2,158
80th %	3,045
90th %	4,470
Maximum	12,978
Average	1,848



Q10/Q50	0.21
Q10/Q90	0.06
	CFSM*
Qmin/DA	0.05
Q5/DA	0.13
Q10/DA	0.17
Q15/DA	0.22
Q20/DA	0.26
Q30/DA	0.41
Q40/DA	0.56
Q50/DA	0.82
Q60/DA	1.20
Q70/DA	1.49
Q80/DA	2.11
Q90/DA	3.09
Qmax/DA	8.98

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

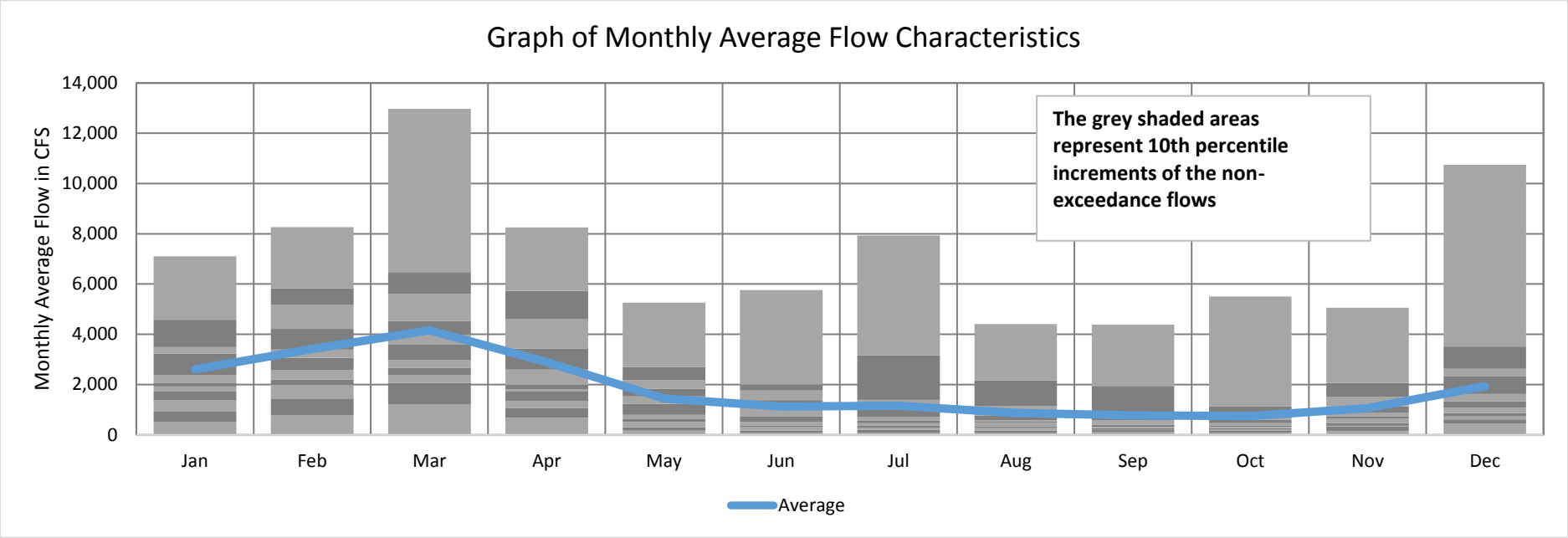
Site #: 03140301 Name: Upper Conecuh River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,602	3,415	4,161	2,894	1,440	1,126	1,155	870	773	747	1,061	1,931
100%	7,100	8,267	12,978	8,255	5,255	5,759	7,929	4,411	4,382	5,499	5,057	10,750
98%	7,010	6,726	11,674	7,641	4,278	4,758	5,531	3,720	3,892	4,547	3,417	6,695
95%	6,468	6,077	9,205	7,395	3,389	2,883	4,145	3,108	2,693	3,886	2,891	4,824
90%	4,581	5,823	6,472	5,730	2,706	2,002	3,160	2,165	1,950	1,130	2,067	3,512
75%	3,322	4,601	4,848	3,777	2,025	1,424	1,150	970	716	683	1,335	2,414
50%	2,074	3,066	3,587	1,984	1,232	745	565	518	401	356	739	1,323
25%	1,635	2,028	2,575	1,478	581	341	287	306	235	232	393	776
10%	944	1,444	2,065	1,072	294	163	201	169	187	177	336	619
5%	920	1,117	1,502	876	238	103	176	106	146	149	252	567
2%	785	949	1,222	747	182	88	102	83	137	120	186	486
0%	513	777	1,197	678	162	85	70	76	121	83	143	452

Site #: 03140301 Name: Upper Conecuh River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 1,446 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,602	3,415	4,161	2,894	1,440	1,126	1,155	870	773	747	1,061	1,931
100%	7,100	8,267	12,978	8,255	5,255	5,759	7,929	4,411	4,382	5,499	5,057	10,750
98%	7,010	6,726	11,674	7,641	4,278	4,758	5,531	3,720	3,892	4,547	3,417	6,695
95%	6,468	6,077	9,205	7,395	3,389	2,883	4,145	3,108	2,693	3,886	2,891	4,824
90%	4,581	5,823	6,472	5,730	2,706	2,002	3,160	2,165	1,950	1,130	2,067	3,512
75%	3,322	4,601	4,848	3,777	2,025	1,424	1,150	970	716	683	1,335	2,414
50%	2,074	3,066	3,587	1,984	1,232	745	565	518	401	356	739	1,323
25%	1,635	2,028	2,575	1,478	581	341	287	306	235	232	393	776
10%	944	1,444	2,065	1,072	294	163	201	169	187	177	336	619
5%	920	1,117	1,502	876	238	103	176	106	146	149	252	567
2%	785	949	1,222	747	182	88	102	83	137	120	186	486
0%	513	777	1,197	678	162	85	70	76	121	83	143	452

Monthly Flows (in CFS) for
03140302 - Patsaliga Creek Subbasin

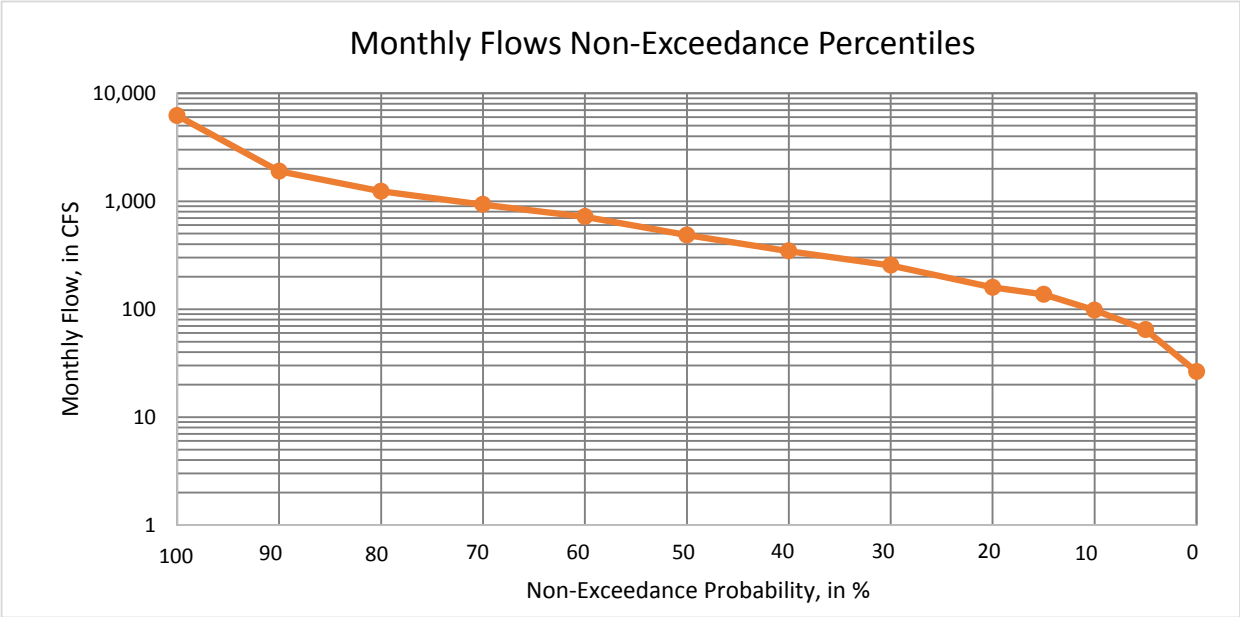
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	1,483	3,361	2,671	2,302	909	928	659	1,873	2,184	2,402	1,280	1,126	1,753
1976	2,029	1,168	1,747	1,668	2,470	1,213	457	327	288	263	596	1,643	1,158
1977	1,481	786	2,756	1,237	327	246	356	413	301	237	490	424	756
1978	2,711	1,207	1,285	1,128	1,676	1,012	340	477	151	109	200	391	891
1979	1,128	2,705	2,454	2,462	691	320	557	411	386	231	401	671	1,023
1980	1,029	798	2,340	2,995	1,316	393	170	137	142	206	236	255	834
1981	217	1,350	719	581	211	130	60	89	103	59	109	389	327
1982	1,215	2,356	992	872	926	207	394	431	159	153	275	994	739
1983	1,339	2,128	2,644	2,094	603	748	695	234	411	172	672	1,452	1,092
1984	1,469	1,139	1,666	825	530	150	123	622	96	77	156	418	605
1985	407	1,503	1,241	466	470	88	144	140	111	139	301	955	491
1986	771	1,047	2,542	463	206	152	74	70	265	82	308	519	540
1987	744	1,481	1,378	849	581	494	286	139	59	46	164	268	535
1988	1,110	1,017	1,399	720	137	64	144	69	309	205	313	300	479
1989	429	372	1,011	1,893	411	2,135	1,562	221	131	252	763	1,229	867
1990	2,564	2,341	6,208	1,524	737	273	185	112	54	72	101	229	1,198
1991	601	1,060	1,906	940	1,223	477	315	162	180	102	270	351	631
1992	1,735	2,249	1,072	656	239	671	406	253	141	157	2,365	2,047	989
1993	1,507	1,222	1,917	1,539	420	146	220	301	218	160	495	668	732
1994	728	1,232	1,036	722	290	474	2,529	886	257	499	406	792	821
1995	795	1,607	1,766	618	219	268	111	133	76	1,414	749	1,138	738
1996	1,414	2,183	1,880	2,069	855	381	269	263	937	271	334	553	941
1997	1,136	2,020	1,255	823	1,112	902	466	207	67	180	843	2,257	933
1998	1,912	2,214	3,766	1,094	350	145	159	130	1,646	2,093	380	359	1,183
1999	749	840	1,521	506	700	964	1,444	243	104	172	177	334	647
2000	441	361	716	271	61	31	34	58	70	29	200	445	226
2001	1,046	750	5,016	1,580	223	698	219	436	189	98	411	489	933
2002	569	804	1,333	625	158	108	188	100	105	486	781	935	515
2003	720	912	1,861	1,963	917	1,826	2,133	1,690	1,010	314	424	966	1,230
2004	886	1,841	789	282	267	666	324	265	1,838	426	867	982	776
2005	684	964	1,293	3,178	485	534	949	940	340	275	349	855	901
2006	975	1,059	995	307	914	83	55	62	64	125	357	243	434
2007	751	483	514	590	69	42	69	26	35	65	122	234	249
2008	897	1,227	835	627	119	42	49	659	134	86	170	682	457
2009	674	362	2,006	1,749	844	417	211	302	896	363	1,104	4,229	1,103
2010	2,674	2,298	2,674	629	835	299	149	153	80	94	219	278	859
2011	353	866	1,148	535	89	53	149	41	51	34	97	285	305
2012	312	733	585	556	211	282	73	72	296	75	62	294	292
2013	474	2,479	1,319	727	259	174	1,075	806	200	124	154	629	691
2014	980	1,755	1,296	3,677	1,059	555	229	256	100	142	224	602	897

Non-Exceedance Percentiles

03140302 - Patsaliga Creek Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	217	361	514	271	61	31	34	26	35	29	62	229	226
5th %	351	372	709	306	88	42	54	57	54	46	101	242	290
10th %	427	708	782	466	136	63	68	68	63	64	121	266	325
15th %	469	780	969	531	199	87	74	72	69	75	156	284	453
20th %	595	803	1,008	576	211	126	121	98	79	81	169	299	489
30th %	725	949	1,213	627	253	152	149	136	103	101	213	380	585
40th %	763	1,059	1,295	721	341	259	187	158	133	133	273	437	716
Median	936	1,214	1,389	837	477	310	224	238	155	158	323	577	766
60th %	1,072	1,402	1,754	1,107	638	439	318	263	207	190	388	675	863
70th %	1,252	1,781	1,910	1,551	837	540	397	352	290	241	444	941	911
80th %	1,481	2,189	2,472	1,907	914	708	578	444	349	283	688	1,020	996
90th %	1,923	2,343	2,682	2,318	1,123	969	1,112	814	945	488	845	1,471	1,160
Maximum	2,711	3,361	6,208	3,677	2,470	2,135	2,529	1,873	2,184	2,402	2,365	4,229	1,753
Average	1,078	1,407	1,789	1,209	603	470	451	355	355	312	448	798	769

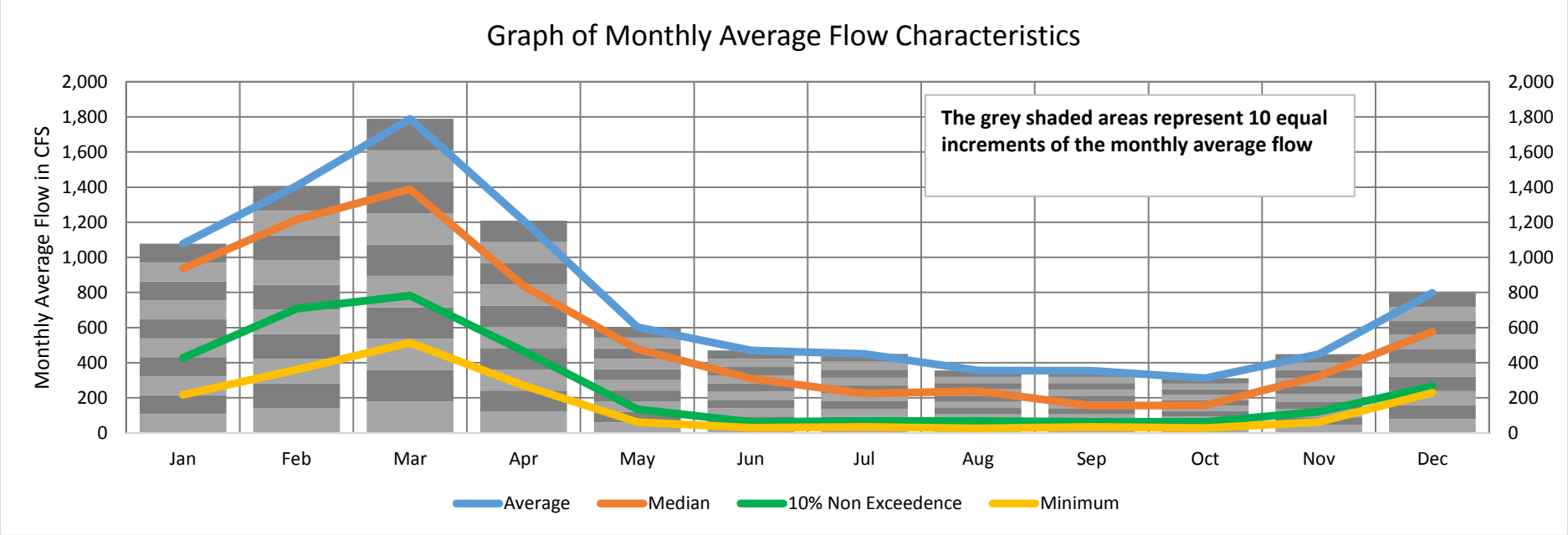
	Flows in CFS
Minimum	26.3
5th %	65
10th %	98
15th %	137
20th %	159
30th %	254
40th %	345
Median	484
60th %	717
70th %	930
80th %	1,233
90th %	1,894
Maximum	6,208
Average	773



Q10/Q50	0.20
Q10/Q90	0.05
	CFSM*
Qmin/DA	0.04
Q5/DA	0.11
Q10/DA	0.16
Q15/DA	0.23
Q20/DA	0.27
Q30/DA	0.43
Q40/DA	0.58
Q50/DA	0.82
Q60/DA	1.21
Q70/DA	1.57
Q80/DA	2.08
Q90/DA	3.19
Qmax/DA	10.47

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

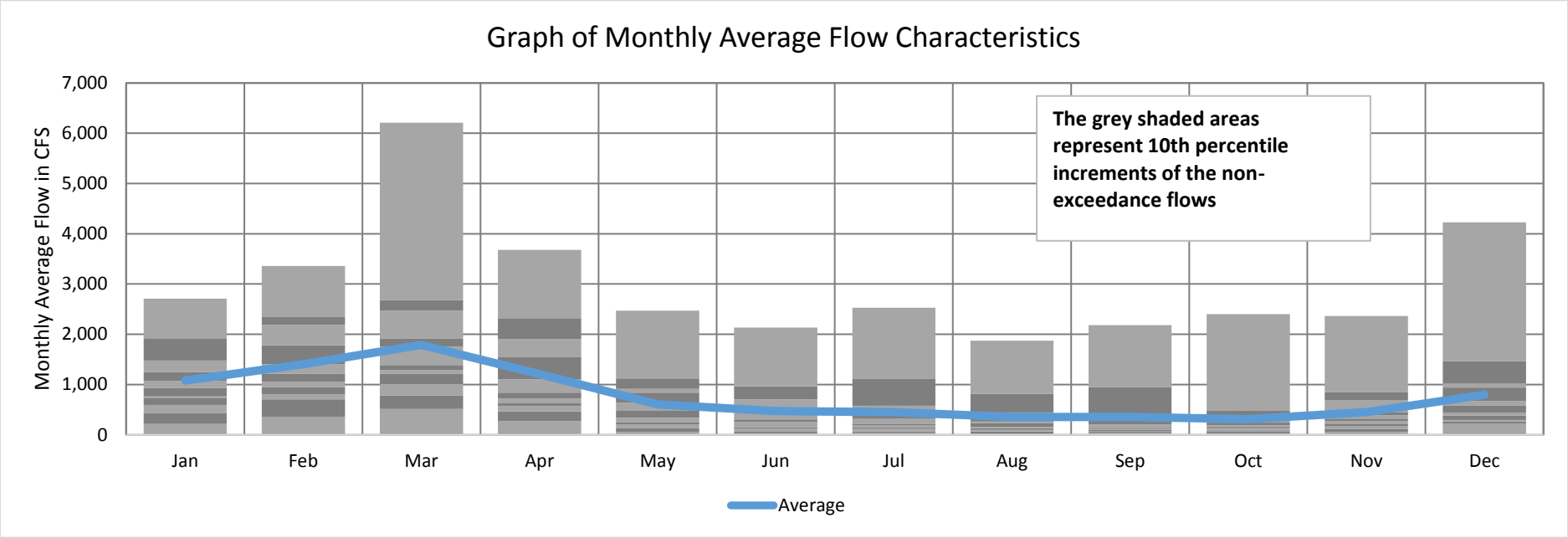
Site #: 03140302 Name: Patsaliga Creek Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	1,078	1,407	1,789	1,209	603	470	451	355	355	312	448	798
100%	2,711	3,361	6,208	3,677	2,470	2,135	2,529	1,873	2,184	2,402	2,365	4,229
98%	2,682	2,849	5,278	3,288	1,850	1,894	2,220	1,731	1,914	2,161	1,519	2,691
95%	2,569	2,491	3,828	3,004	1,334	1,244	1,590	977	1,656	1,448	1,113	2,058
90%	1,923	2,343	2,682	2,318	1,123	969	1,112	814	945	488	845	1,471
75%	1,428	2,047	2,089	1,688	868	667	459	417	303	265	520	970
50%	936	1,214	1,389	837	477	310	224	238	155	158	323	577
25%	682	859	1,063	611	222	146	144	126	99	92	194	347
10%	427	708	782	466	136	63	68	68	63	64	121	266
5%	351	372	709	306	88	42	54	57	54	46	101	242
2%	291	361	570	280	67	39	45	37	48	33	89	233
0%	217	361	514	271	61	31	34	26	35	29	62	229

Site #: 03140302 Name: Patsaliga Creek Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 593 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	1,078	1,407	1,789	1,209	603	470	451	355	355	312	448	798
100%	2,711	3,361	6,208	3,677	2,470	2,135	2,529	1,873	2,184	2,402	2,365	4,229
98%	2,682	2,849	5,278	3,288	1,850	1,894	2,220	1,731	1,914	2,161	1,519	2,691
95%	2,569	2,491	3,828	3,004	1,334	1,244	1,590	977	1,656	1,448	1,113	2,058
90%	1,923	2,343	2,682	2,318	1,123	969	1,112	814	945	488	845	1,471
75%	1,428	2,047	2,089	1,688	868	667	459	417	303	265	520	970
50%	936	1,214	1,389	837	477	310	224	238	155	158	323	577
25%	682	859	1,063	611	222	146	144	126	99	92	194	347
10%	427	708	782	466	136	63	68	68	63	64	121	266
5%	351	372	709	306	88	42	54	57	54	46	101	242
2%	291	361	570	280	67	39	45	37	48	33	89	233
0%	217	361	514	271	61	31	34	26	35	29	62	229

Monthly Flows (in CFS) for
03140303 - Sepulga River Subbasin

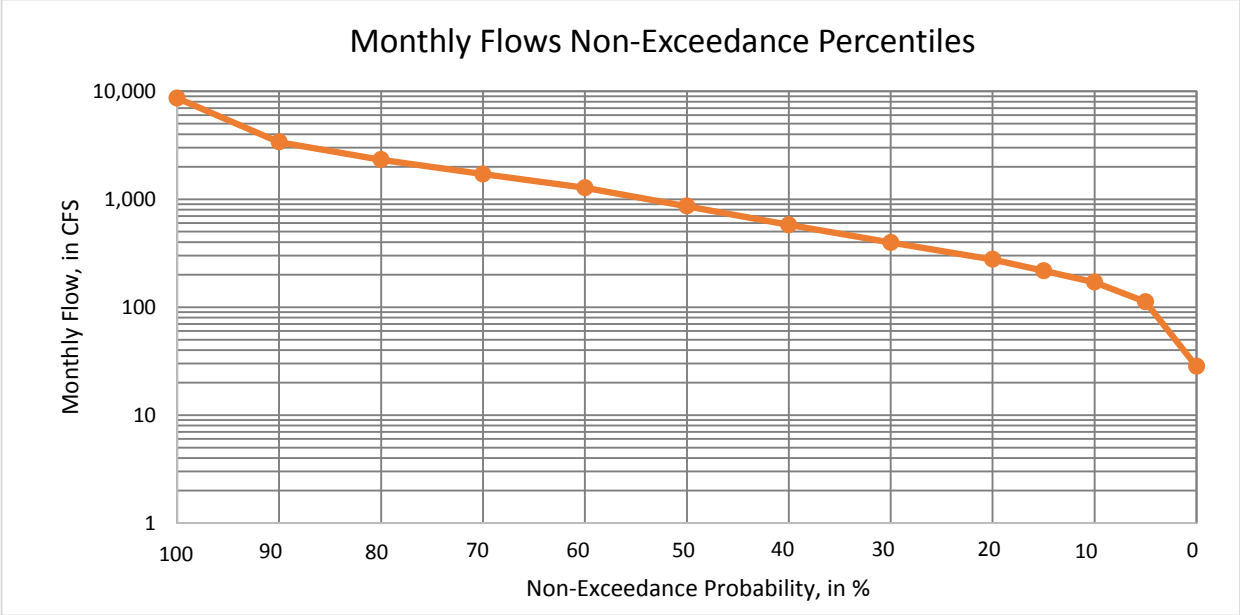
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	3,213	5,344	3,479	4,008	1,219	895	1,369	4,805	2,784	3,264	1,493	1,735	2,785
1976	3,885	2,133	2,717	2,768	3,841	2,400	628	419	326	275	784	2,230	1,868
1977	2,451	1,355	5,068	2,486	346	265	360	1,116	654	355	726	651	1,322
1978	4,388	2,107	2,261	1,866	4,666	2,018	539	496	144	111	179	601	1,617
1979	2,464	4,786	4,620	4,077	952	596	955	492	415	287	536	1,013	1,745
1980	1,850	1,573	4,711	7,159	3,211	1,433	452	230	321	415	450	470	1,853
1981	389	3,596	1,528	1,431	531	276	91	212	217	85	144	560	734
1982	2,109	4,738	1,768	1,613	1,272	292	686	878	212	193	344	1,180	1,253
1983	1,940	4,138	5,244	5,407	1,703	1,709	931	283	431	241	841	1,850	2,042
1984	2,726	2,057	3,343	2,179	1,573	436	397	1,681	261	362	518	1,082	1,385
1985	937	3,570	2,422	772	508	190	412	350	400	335	494	1,533	978
1986	1,277	2,473	3,278	634	428	331	160	135	445	99	575	1,075	901
1987	1,686	2,950	2,345	1,231	598	626	492	258	138	57	255	685	931
1988	2,147	1,979	2,576	977	264	118	366	154	855	539	799	558	939
1989	964	814	2,044	4,240	940	2,759	2,058	352	196	371	961	2,391	1,507
1990	4,779	5,021	6,449	1,462	1,079	417	325	156	79	74	87	216	1,664
1991	983	1,765	2,951	1,291	3,251	1,150	864	220	160	99	195	339	1,105
1992	3,047	4,608	1,565	808	240	1,604	533	671	338	194	3,929	3,780	1,754
1993	3,366	2,319	3,016	2,571	582	292	433	684	241	174	830	971	1,285
1994	1,926	2,604	2,279	1,988	722	628	4,786	880	364	502	358	780	1,483
1995	1,471	2,611	3,121	1,630	543	567	191	435	89	2,272	1,365	2,731	1,415
1996	2,904	2,997	3,603	3,626	1,176	757	598	362	511	381	335	783	1,493
1997	2,180	3,353	2,279	1,347	1,901	1,643	463	276	94	155	844	2,599	1,417
1998	4,327	3,251	5,709	1,169	464	173	175	142	2,386	4,454	357	394	1,916
1999	1,006	1,309	2,928	645	1,072	1,852	2,309	321	133	250	217	443	1,042
2000	564	535	967	474	123	84	59	71	101	28	235	789	336
2001	1,408	1,189	8,641	2,587	1,306	3,712	1,211	1,264	790	867	1,368	1,550	2,166
2002	1,218	1,520	3,055	1,351	386	256	368	276	369	1,321	1,697	2,097	1,159
2003	1,532	1,976	3,475	3,230	1,421	2,825	3,629	1,407	621	259	548	1,251	1,847
2004	1,526	3,234	1,236	555	777	782	704	306	2,107	1,055	2,396	2,009	1,375
2005	1,597	2,253	2,004	5,538	909	1,148	2,138	2,329	889	404	335	539	1,665
2006	1,351	1,897	1,214	359	641	164	109	132	104	171	800	494	612
2007	1,715	979	1,382	1,262	270	142	140	71	116	270	216	568	593
2008	2,262	2,681	1,627	1,388	350	112	277	1,326	357	134	298	1,519	1,019
2009	1,705	868	4,287	3,952	2,401	1,103	243	540	2,066	678	2,554	8,351	2,408
2010	4,689	4,366	3,633	789	1,348	392	187	182	106	85	165	249	1,335
2011	368	1,362	1,937	909	174	67	256	144	114	66	92	346	481
2012	580	1,728	802	362	567	748	269	607	1,503	344	202	824	703
2013	1,169	5,457	2,091	2,246	824	687	1,682	1,579	284	137	175	1,882	1,493
2014	1,906	3,637	2,961	6,253	3,721	804	284	204	171	174	235	1,098	1,771

Non-Exceedance Percentiles

03140303 - Sepulga River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	368	535	802	359	123	67	59	71	79	28	87	216	336
5th %	556	865	1,201	469	237	111	108	129	94	66	142	334	587
10th %	901	1,168	1,367	626	269	139	158	141	103	84	174	389	694
15th %	980	1,348	1,560	753	349	172	185	153	113	97	192	466	876
20th %	1,136	1,488	1,740	804	420	243	232	177	130	109	213	530	937
30th %	1,391	1,858	2,077	1,212	539	292	282	227	167	166	249	591	1,086
40th %	1,571	2,087	2,319	1,349	624	428	367	281	232	194	340	782	1,307
Median	1,782	2,396	2,823	1,537	866	627	442	351	324	264	472	992	1,400
60th %	2,008	2,788	3,032	2,064	1,075	767	535	457	366	338	559	1,131	1,493
70th %	2,319	3,282	3,383	2,576	1,282	1,116	691	626	435	374	799	1,538	1,664
80th %	2,933	3,737	3,763	3,691	1,599	1,612	1,006	927	681	509	868	1,907	1,786
90th %	3,929	4,743	5,086	4,357	3,215	2,056	2,066	1,424	1,560	1,082	1,513	2,412	1,928
Maximum	4,779	5,457	8,641	7,159	4,666	3,712	4,786	4,805	2,784	4,454	3,929	8,351	2,785
Average	2,050	2,678	3,015	2,216	1,207	911	803	661	547	538	723	1,355	1,385

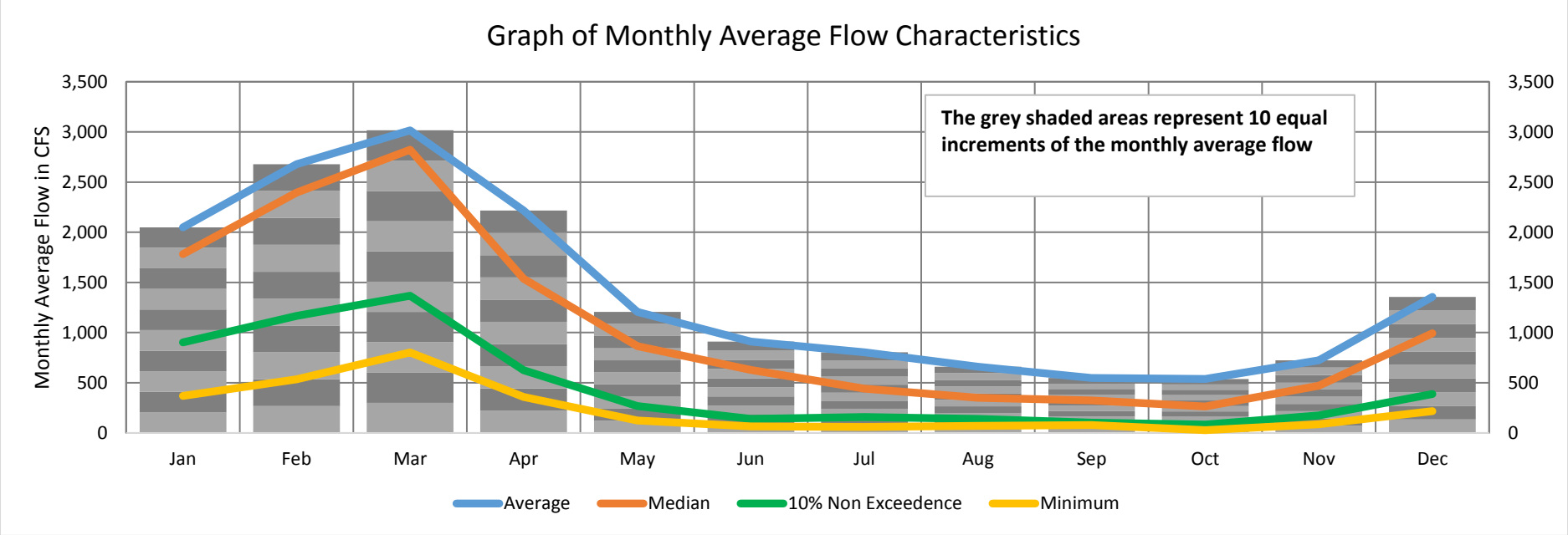
	Flows in CFS
Minimum	28.2
5th %	112
10th %	170
15th %	217
20th %	276
30th %	396
40th %	578
Median	860
60th %	1,274
70th %	1,704
80th %	2,321
90th %	3,377
Maximum	8,641
Average	1,392



Q10/Q50	0.20
Q10/Q90	0.05
	CFSM*
Qmin/DA	0.03
Q5/DA	0.11
Q10/DA	0.17
Q15/DA	0.21
Q20/DA	0.27
Q30/DA	0.39
Q40/DA	0.57
Q50/DA	0.85
Q60/DA	1.25
Q70/DA	1.68
Q80/DA	2.28
Q90/DA	3.32
Qmax/DA	8.50

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

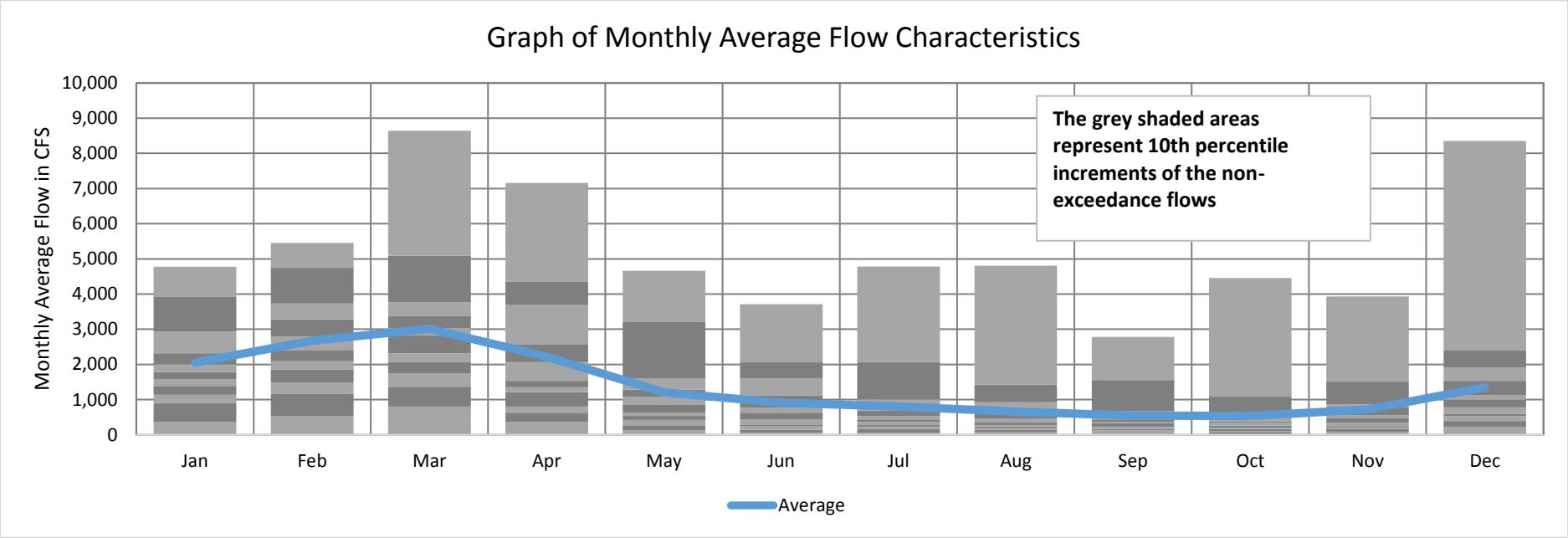
Site #: 03140303 Name: Sepulga River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,050	2,678	3,015	2,216	1,207	911	803	661	547	538	723	1,355
100%	4,779	5,457	8,641	7,159	4,666	3,712	4,786	4,805	2,784	4,454	3,929	8,351
98%	4,709	5,369	6,931	6,452	4,023	3,020	3,884	2,874	2,473	3,526	2,856	4,786
95%	4,403	5,037	5,746	5,574	3,727	2,762	2,375	1,714	2,121	2,322	2,404	2,783
90%	3,929	4,743	5,086	4,357	3,215	2,056	2,066	1,424	1,560	1,082	1,513	2,412
75%	2,529	3,577	3,510	2,884	1,366	1,221	881	733	539	407	832	1,764
50%	1,782	2,396	2,823	1,537	866	627	442	351	324	264	472	992
25%	1,262	1,689	1,987	960	497	273	266	210	142	137	230	560
10%	901	1,168	1,367	626	269	139	158	141	103	84	174	389
5%	556	865	1,201	469	237	111	108	129	94	66	142	334
2%	384	753	931	361	163	80	84	71	87	51	91	242
0%	368	535	802	359	123	67	59	71	79	28	87	216

Site #: 03140303 Name: Sepulga River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 1,017 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,050	2,678	3,015	2,216	1,207	911	803	661	547	538	723	1,355
100%	4,779	5,457	8,641	7,159	4,666	3,712	4,786	4,805	2,784	4,454	3,929	8,351
98%	4,709	5,369	6,931	6,452	4,023	3,020	3,884	2,874	2,473	3,526	2,856	4,786
95%	4,403	5,037	5,746	5,574	3,727	2,762	2,375	1,714	2,121	2,322	2,404	2,783
90%	3,929	4,743	5,086	4,357	3,215	2,056	2,066	1,424	1,560	1,082	1,513	2,412
75%	2,529	3,577	3,510	2,884	1,366	1,221	881	733	539	407	832	1,764
50%	1,782	2,396	2,823	1,537	866	627	442	351	324	264	472	992
25%	1,262	1,689	1,987	960	497	273	266	210	142	137	230	560
10%	901	1,168	1,367	626	269	139	158	141	103	84	174	389
5%	556	865	1,201	469	237	111	108	129	94	66	142	334
2%	384	753	931	361	163	80	84	71	87	51	91	242
0%	368	535	802	359	123	67	59	71	79	28	87	216

Monthly Flows (in CFS) for

03140304 - Lower Conecuh River Subbasin in Alabama

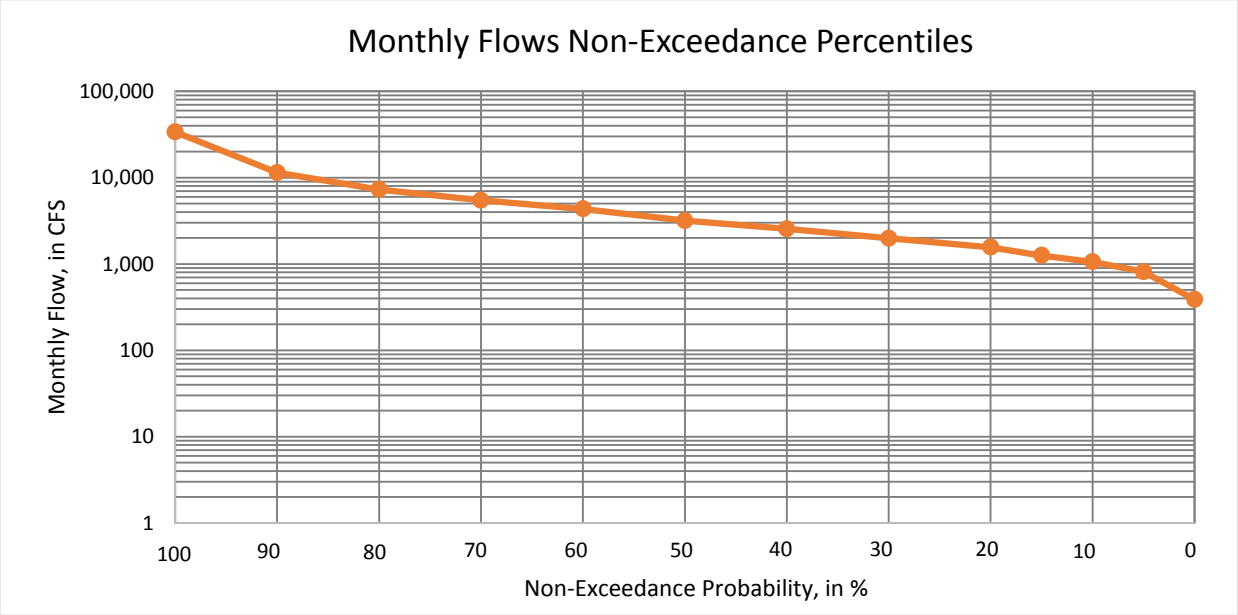
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	8,275	14,998	14,565	23,806	7,134	6,027	5,108	19,777	9,392	13,487	7,232	7,027	11,370
1976	12,710	8,517	7,346	11,023	13,432	8,505	2,861	2,010	1,869	1,563	2,810	6,887	6,619
1977	7,491	4,165	14,948	9,538	1,972	1,381	1,607	4,330	2,558	1,646	2,636	2,703	4,591
1978	12,304	11,623	8,504	5,859	16,701	10,965	2,816	2,883	1,317	1,144	1,280	2,646	6,479
1979	6,940	15,445	19,392	13,369	4,298	2,468	4,424	2,697	2,594	1,764	2,430	4,018	6,597
1980	5,990	4,623	15,618	27,741	12,797	6,707	2,588	1,627	1,744	2,201	2,461	2,194	7,185
1981	1,860	13,618	4,673	3,727	2,220	1,649	1,008	1,052	1,067	742	962	2,153	2,818
1982	7,054	15,936	5,828	4,758	3,466	1,371	2,606	3,566	1,253	1,065	1,538	3,712	4,274
1983	6,232	15,175	18,063	21,414	6,284	5,463	4,421	2,251	2,349	1,495	2,794	6,727	7,658
1984	8,289	5,479	10,927	6,293	7,715	2,113	2,333	6,192	1,301	1,542	1,681	2,916	4,746
1985	2,899	11,404	8,121	2,742	2,449	1,406	3,122	1,944	1,860	2,013	2,862	6,584	3,908
1986	5,871	6,462	12,830	2,968	1,902	1,415	1,002	900	1,271	877	2,115	4,043	3,464
1987	5,177	8,947	8,320	4,522	2,945	3,296	2,102	2,228	947	709	1,578	2,227	3,550
1988	6,786	6,388	8,945	3,914	1,205	751	1,563	1,121	5,152	2,018	2,092	1,811	3,460
1989	2,174	1,965	4,720	10,010	3,830	11,646	7,903	1,984	1,303	2,032	4,714	5,693	4,832
1990	16,628	14,941	26,734	7,568	6,172	2,905	2,193	1,247	950	1,026	1,118	1,653	6,904
1991	4,255	6,780	9,494	3,853	9,374	4,458	4,168	2,004	1,790	1,090	1,878	2,269	4,278
1992	9,248	13,008	6,305	3,549	1,594	3,418	2,281	2,127	1,442	1,157	7,922	12,650	5,344
1993	8,754	6,618	8,665	7,645	2,938	1,518	2,376	1,985	1,804	1,464	3,461	3,204	4,189
1994	4,618	6,219	5,566	5,271	2,456	4,358	16,249	5,243	2,208	3,405	2,298	3,264	5,104
1995	5,002	12,151	11,346	6,618	3,892	2,398	1,756	3,973	1,058	11,278	6,058	8,688	6,159
1996	9,680	14,089	11,931	15,874	5,264	3,727	2,688	2,310	3,380	1,784	1,769	2,615	6,196
1997	5,083	8,437	6,728	3,989	4,728	4,237	2,647	1,902	949	1,189	3,617	9,105	4,364
1998	15,689	11,464	24,604	7,362	2,776	1,498	1,882	1,517	6,266	17,368	3,068	2,734	8,029
1999	4,316	4,294	8,712	3,030	3,195	3,678	7,686	2,048	1,190	1,213	1,077	1,702	3,519
2000	2,114	2,021	2,840	1,570	641	587	448	546	574	387	1,167	1,839	1,224
2001	4,183	3,442	23,824	7,331	1,894	6,142	2,099	3,798	2,873	1,823	1,820	2,899	5,199
2002	2,930	3,907	5,962	3,047	1,101	946	1,343	1,009	1,702	3,847	5,343	5,749	3,070
2003	5,008	4,955	10,040	8,521	5,353	8,066	11,906	7,041	4,022	2,062	2,503	4,462	6,176
2004	4,377	9,532	5,029	2,523	3,170	4,469	3,174	1,763	5,510	3,732	7,277	6,644	4,725
2005	4,989	5,644	5,040	18,490	4,518	4,239	6,324	7,249	4,319	2,442	2,150	3,422	5,719
2006	4,368	4,799	4,363	1,937	2,934	910	702	813	705	872	2,643	1,615	2,208
2007	4,429	3,030	2,799	5,585	864	645	864	499	704	1,042	1,205	2,747	2,026
2008	6,638	8,633	5,448	4,786	1,383	749	1,075	3,177	1,895	764	851	4,853	3,325
2009	4,599	2,583	8,462	15,501	7,036	4,286	1,624	2,628	4,498	3,013	7,342	33,725	7,986
2010	18,022	17,330	11,945	3,582	4,539	1,801	1,168	1,494	845	742	1,264	1,674	5,307
2011	2,307	4,542	5,910	2,879	791	532	955	596	792	559	625	1,584	1,824
2012	2,299	4,666	2,778	1,946	1,371	2,046	974	1,648	3,118	1,127	719	1,860	2,025
2013	2,753	13,923	8,765	5,405	2,205	1,525	4,468	4,881	1,871	1,059	955	3,460	4,213
2014	4,817	7,909	6,607	17,945	11,278	3,616	1,613	1,190	952	1,229	1,065	3,141	5,082

Non-Exceedance Percentiles

03140304 - Lower Conecuh River Subbasin in Alabama

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	1,860	1,965	2,778	1,570	641	532	448	499	574	387	625	1,584	1,224
5th %	2,171	2,555	2,837	1,945	861	642	855	594	705	702	844	1,651	2,015
10th %	2,306	3,401	4,642	2,720	1,195	751	972	891	839	742	961	1,699	2,190
15th %	2,877	4,127	4,983	2,955	1,381	941	1,007	1,046	949	856	1,075	1,835	3,032
20th %	3,933	4,492	5,366	3,044	1,834	1,379	1,149	1,176	951	996	1,157	2,095	3,433
30th %	4,374	4,908	5,946	3,816	2,215	1,512	1,611	1,594	1,234	1,083	1,461	2,511	3,801
40th %	4,737	6,320	7,098	4,664	2,871	1,948	2,012	1,928	1,311	1,176	1,800	2,741	4,276
Median	5,045	7,345	8,483	5,495	3,183	2,687	2,307	2,007	1,767	1,479	2,132	3,172	4,736
60th %	6,087	8,759	8,837	6,903	4,055	3,641	2,622	2,237	1,870	1,693	2,478	3,561	5,142
70th %	6,974	11,512	11,053	7,908	4,889	4,253	2,939	2,753	2,412	2,015	2,799	4,579	5,851
80th %	8,382	13,679	13,177	11,493	6,435	4,667	4,421	3,833	3,171	2,249	3,492	6,596	6,503
90th %	12,344	15,016	18,196	17,999	9,564	6,843	6,460	5,338	4,564	3,743	6,175	7,193	7,232
Maximum	18,022	17,330	26,734	27,741	16,701	11,646	16,249	19,777	9,392	17,368	7,922	33,725	11,370
Average	6,429	8,492	9,817	7,937	4,495	3,448	3,203	2,931	2,285	2,499	2,709	4,722	4,894

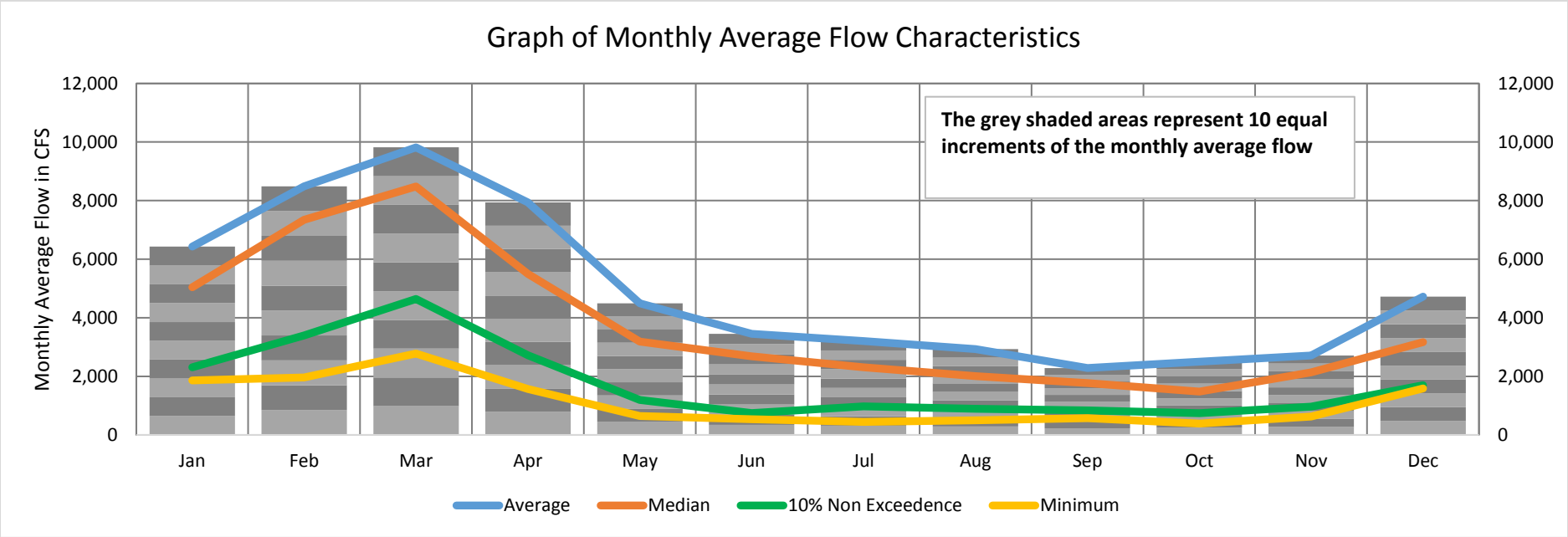
	Flows in CFS
Minimum	387.1
5th %	811
10th %	1,058
15th %	1,252
20th %	1,559
30th %	1,980
40th %	2,544
Median	3,172
60th %	4,341
70th %	5,468
80th %	7,288
90th %	11,410
Maximum	33,725
Average	4,914



Q10/Q50	0.33
Q10/Q90	0.09
	CFSM*
Qmin/DA	0.12
Q5/DA	0.24
Q10/DA	0.32
Q15/DA	0.38
Q20/DA	0.47
Q30/DA	0.59
Q40/DA	0.76
Q50/DA	0.95
Q60/DA	1.30
Q70/DA	1.64
Q80/DA	2.19
Q90/DA	3.42
Qmax/DA	10.11

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

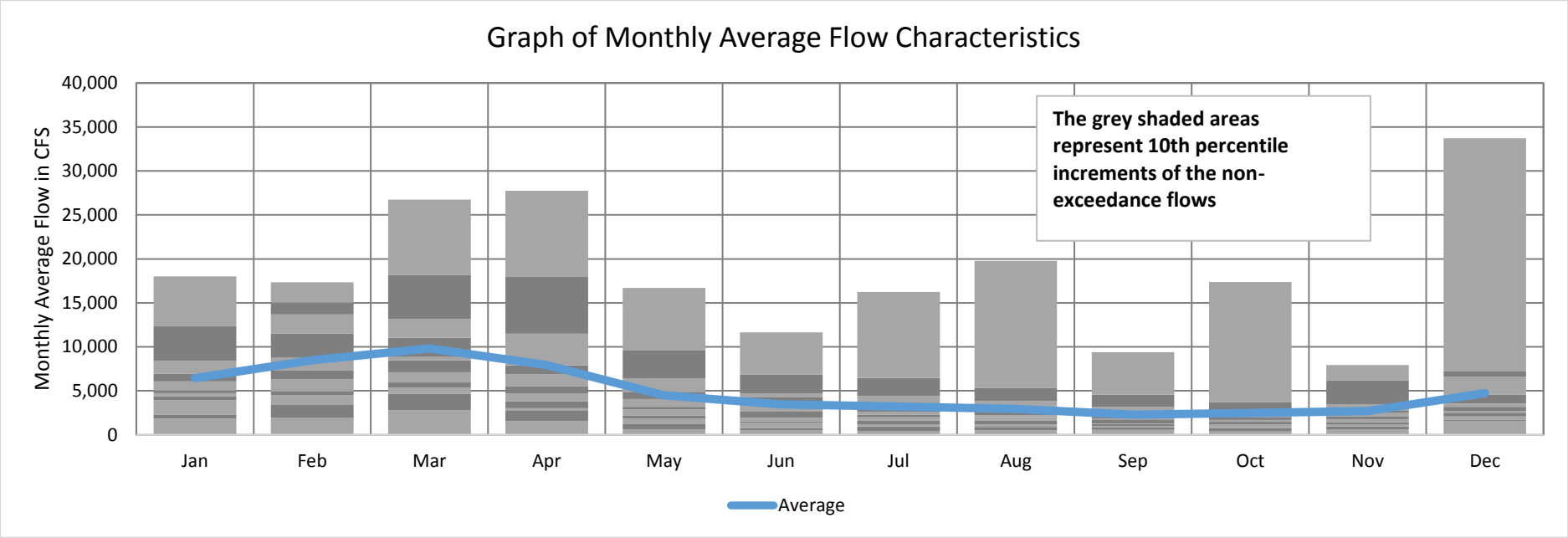
Site #: 03140304 Name: Lower Conecuh River Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	6,429	8,492	9,817	7,937	4,495	3,448	3,203	2,931	2,285	2,499	2,709	4,722
100%	18,022	17,330	26,734	27,741	16,701	11,646	16,249	19,777	9,392	17,368	7,922	33,725
98%	16,935	16,243	25,073	24,672	14,152	11,115	12,861	10,005	6,954	14,341	7,469	17,287
95%	15,736	15,470	23,863	21,534	12,828	8,628	8,103	7,051	5,547	11,389	7,280	9,282
90%	12,344	15,016	18,196	17,999	9,564	6,843	6,460	5,338	4,564	3,743	6,175	7,193
75%	7,687	12,365	11,935	9,656	5,558	4,383	3,422	3,274	2,664	2,039	2,913	5,707
50%	5,045	7,345	8,483	5,495	3,183	2,687	2,307	2,007	1,767	1,479	2,132	3,172
25%	4,301	4,655	5,762	3,574	1,955	1,413	1,508	1,432	1,065	1,054	1,249	2,219
10%	2,306	3,401	4,642	2,720	1,195	751	972	891	839	742	961	1,699
5%	2,171	2,555	2,837	1,945	861	642	855	594	705	702	844	1,651
2%	2,058	2,009	2,794	1,857	758	574	646	536	675	521	698	1,608
0%	1,860	1,965	2,778	1,570	641	532	448	499	574	387	625	1,584

Site #: 03140304 Name: Lower Conecuh River Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 3,335 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	6,429	8,492	9,817	7,937	4,495	3,448	3,203	2,931	2,285	2,499	2,709	4,722
100%	18,022	17,330	26,734	27,741	16,701	11,646	16,249	19,777	9,392	17,368	7,922	33,725
98%	16,935	16,243	25,073	24,672	14,152	11,115	12,861	10,005	6,954	14,341	7,469	17,287
95%	15,736	15,470	23,863	21,534	12,828	8,628	8,103	7,051	5,547	11,389	7,280	9,282
90%	12,344	15,016	18,196	17,999	9,564	6,843	6,460	5,338	4,564	3,743	6,175	7,193
75%	7,687	12,365	11,935	9,656	5,558	4,383	3,422	3,274	2,664	2,039	2,913	5,707
50%	5,045	7,345	8,483	5,495	3,183	2,687	2,307	2,007	1,767	1,479	2,132	3,172
25%	4,301	4,655	5,762	3,574	1,955	1,413	1,508	1,432	1,065	1,054	1,249	2,219
10%	2,306	3,401	4,642	2,720	1,195	751	972	891	839	742	961	1,699
5%	2,171	2,555	2,837	1,945	861	642	855	594	705	702	844	1,651
2%	2,058	2,009	2,794	1,857	758	574	646	536	675	521	698	1,608
0%	1,860	1,965	2,778	1,570	641	532	448	499	574	387	625	1,584

Monthly Flows (in CFS) for
03140305 - Big Escambia Creek Subbasin in Alabama

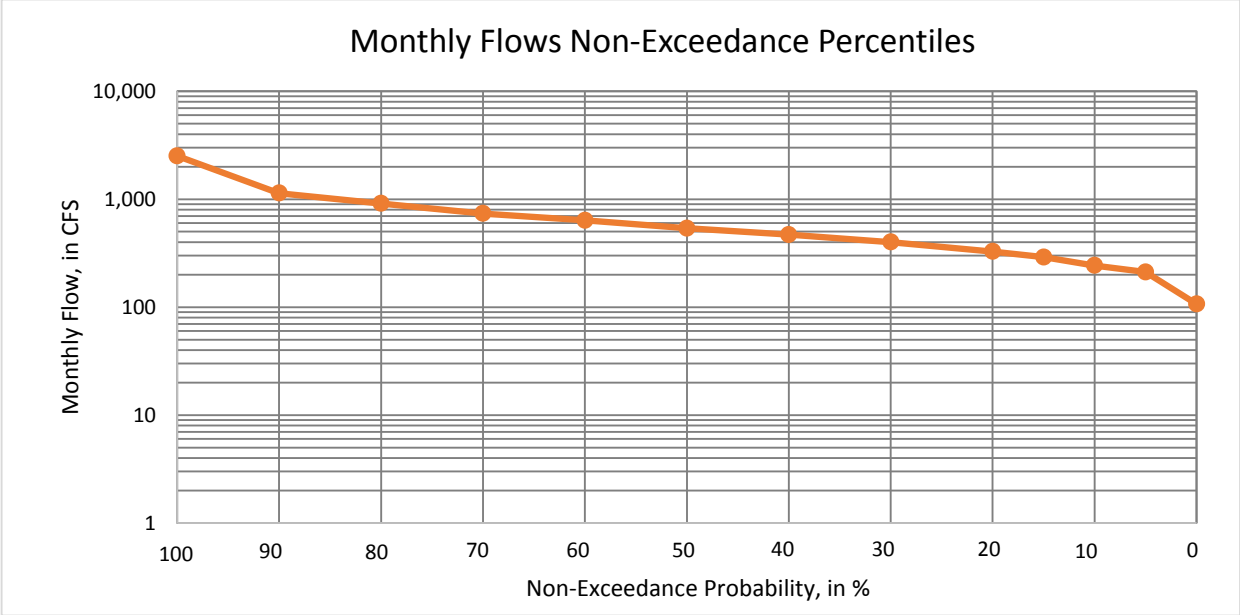
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	993	1,453	1,268	2,074	967	900	937	1,625	934	1,061	808	1,096	1,174
1976	1,284	1,079	1,071	912	1,594	979	669	478	500	399	698	786	870
1977	877	722	1,595	1,014	523	393	480	563	444	381	436	447	657
1978	1,281	773	804	722	1,702	1,207	557	418	292	269	365	587	749
1979	976	1,402	1,756	1,398	683	557	892	574	605	388	575	742	876
1980	897	716	1,487	2,280	1,532	1,363	706	509	543	602	551	523	976
1981	474	1,290	698	537	495	438	276	266	265	205	231	432	462
1982	657	1,133	646	705	507	305	595	594	271	238	386	553	546
1983	670	1,267	1,619	1,827	977	1,022	673	528	478	395	672	875	913
1984	917	921	1,137	907	1,159	486	450	819	299	501	441	559	717
1985	562	1,160	791	494	453	297	683	328	462	423	533	809	580
1986	667	797	997	491	457	298	255	218	264	206	470	544	470
1987	642	923	766	494	456	470	364	414	218	175	404	559	488
1988	923	792	966	535	259	187	331	229	692	343	496	410	512
1989	441	408	774	1,030	533	952	788	339	316	370	596	832	615
1990	1,376	1,648	2,393	969	815	596	526	314	285	298	331	413	827
1991	715	785	1,065	642	981	693	667	408	442	321	468	516	642
1992	1,139	1,384	799	597	372	635	471	397	320	296	1,257	1,155	730
1993	1,069	848	1,026	898	549	403	616	523	451	433	700	602	676
1994	709	735	721	726	505	578	942	434	360	523	453	524	601
1995	679	976	1,102	852	486	393	365	750	243	1,013	670	926	704
1996	1,307	1,564	1,639	1,340	679	663	530	404	540	349	415	496	822
1997	729	942	846	596	569	577	344	284	215	273	542	723	551
1998	1,251	965	1,591	727	360	290	290	231	916	605	395	394	666
1999	513	497	796	448	442	525	562	256	207	280	307	374	434
2000	402	338	371	227	140	179	113	107	137	114	321	402	237
2001	466	447	2,313	777	347	904	385	583	704	544	498	590	715
2002	589	625	875	524	277	209	346	241	374	654	624	776	509
2003	631	860	1,121	879	725	970	1,647	711	473	386	504	648	797
2004	636	1,073	531	371	435	503	367	272	827	892	1,291	1,012	680
2005	932	961	755	1,977	692	1,261	1,449	1,073	912	518	544	617	972
2006	840	873	554	306	404	216	216	243	216	302	598	407	429
2007	751	436	442	472	168	165	220	147	154	239	253	472	326
2008	675	785	562	478	251	188	223	417	230	176	230	453	387
2009	567	352	980	994	928	362	294	384	525	408	730	2,515	758
2010	1,804	1,615	1,239	657	778	431	324	363	228	221	334	382	693
2011	417	713	700	381	179	134	232	160	197	152	211	301	312
2012	347	621	486	261	273	310	219	388	449	239	177	381	344
2013	388	1,644	729	825	470	357	424	364	308	221	268	852	563
2014	643	935	864	1,352	1,102	560	313	291	318	286	342	604	632

Non-Exceedance Percentiles

03140305 - Big Escambia Creek Subbasin in Alabama

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	347	338	371	227	140	134	113	107	137	114	177	301	237
5th %	401	405	484	303	179	179	219	159	195	174	229	381	326
10th %	439	446	552	380	258	188	223	228	215	202	250	393	383
15th %	472	603	634	469	277	215	252	239	217	218	301	406	433
20th %	552	695	700	489	357	296	287	253	229	234	329	413	469
30th %	635	762	763	532	440	343	329	289	269	272	380	466	536
40th %	663	795	798	624	465	399	364	354	305	297	427	523	592
Median	694	897	870	724	506	478	437	393	340	346	469	559	649
60th %	787	950	1,008	836	557	558	528	415	446	386	515	603	686
70th %	919	1,075	1,108	909	702	608	601	487	475	412	559	729	721
80th %	1,008	1,271	1,312	1,017	936	900	675	565	540	519	633	814	802
90th %	1,281	1,464	1,621	1,441	1,107	983	896	715	716	610	703	935	879
Maximum	1,804	1,648	2,393	2,280	1,702	1,363	1,647	1,625	934	1,061	1,291	2,515	1,174
Average	796	936	1,022	842	631	549	519	441	415	392	503	657	640

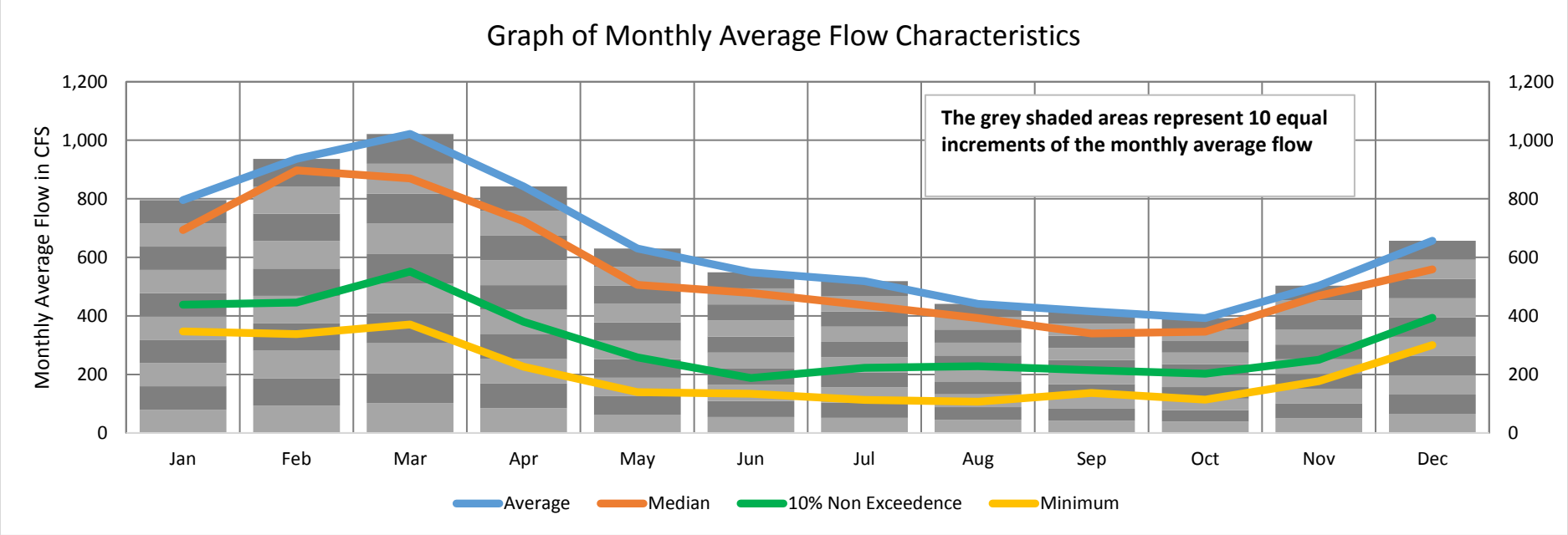
	Flows in CFS
Minimum	106.8
5th %	211
10th %	243
15th %	290
20th %	327
30th %	401
40th %	470
Median	538
60th %	636
70th %	737
80th %	913
90th %	1,137
Maximum	2,515
Average	642



Q10/Q50	0.45
Q10/Q90	0.21
	CFSM*
Qmin/DA	0.32
Q5/DA	0.64
Q10/DA	0.74
Q15/DA	0.88
Q20/DA	0.99
Q30/DA	1.21
Q40/DA	1.42
Q50/DA	1.63
Q60/DA	1.93
Q70/DA	2.23
Q80/DA	2.77
Q90/DA	3.45
Qmax/DA	7.62

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

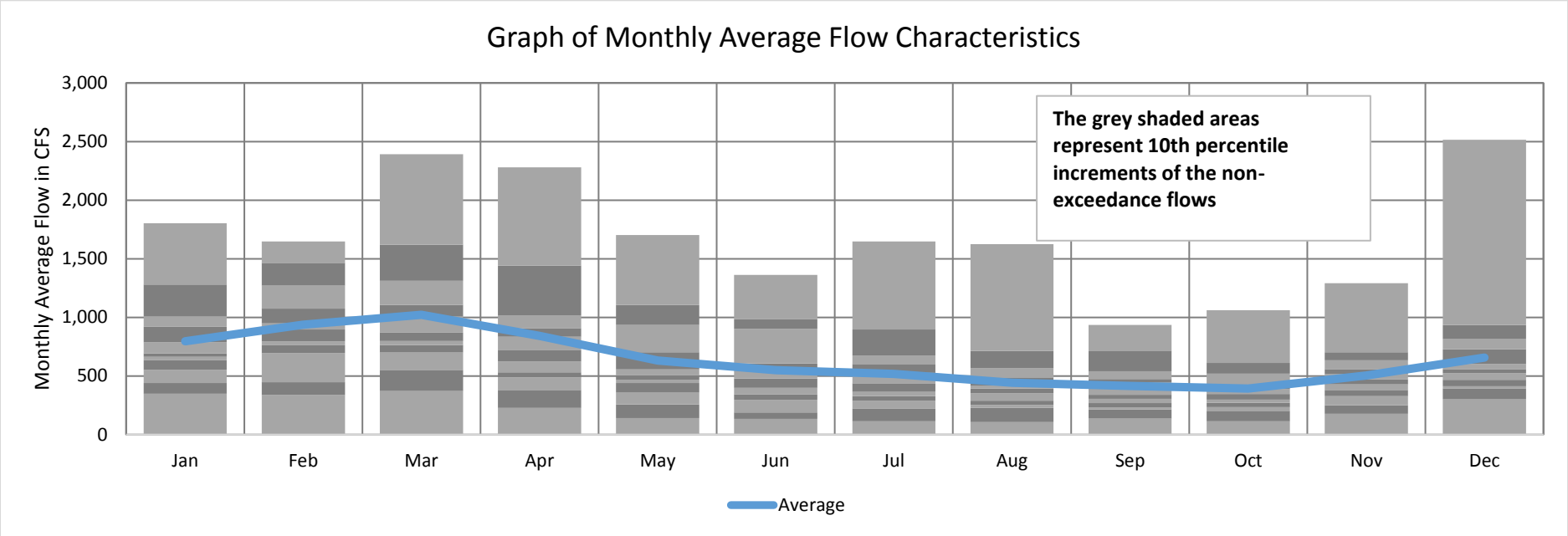
Site #: 03140305 Name: Big Escambia Creek Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	796	936	1,022	842	631	549	519	441	415	392	503	657
100%	1,804	1,648	2,393	2,280	1,702	1,363	1,647	1,625	934	1,061	1,291	2,515
98%	1,470	1,644	2,331	2,119	1,618	1,283	1,493	1,194	920	1,024	1,265	1,454
95%	1,310	1,616	1,784	1,982	1,535	1,210	968	832	913	898	830	1,099
90%	1,281	1,464	1,621	1,441	1,107	983	896	715	716	610	703	935
75%	943	1,140	1,162	975	787	671	668	524	506	450	596	779
50%	694	897	870	724	506	478	437	393	340	346	469	559
25%	583	721	727	494	396	303	308	271	259	239	340	444
10%	439	446	552	380	258	188	223	228	215	202	250	393
5%	401	405	484	303	179	179	219	159	195	174	229	381
2%	379	349	426	253	162	158	193	138	151	144	204	358
0%	347	338	371	227	140	134	113	107	137	114	177	301

Site #: 03140305 Name: Big Escambia Creek Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 330 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	796	936	1,022	842	631	549	519	441	415	392	503	657
100%	1,804	1,648	2,393	2,280	1,702	1,363	1,647	1,625	934	1,061	1,291	2,515
98%	1,470	1,644	2,331	2,119	1,618	1,283	1,493	1,194	920	1,024	1,265	1,454
95%	1,310	1,616	1,784	1,982	1,535	1,210	968	832	913	898	830	1,099
90%	1,281	1,464	1,621	1,441	1,107	983	896	715	716	610	703	935
75%	943	1,140	1,162	975	787	671	668	524	506	450	596	779
50%	694	897	870	724	506	478	437	393	340	346	469	559
25%	583	721	727	494	396	303	308	271	259	239	340	444
10%	439	446	552	380	258	188	223	228	215	202	250	393
5%	401	405	484	303	179	179	219	159	195	174	229	381
2%	379	349	426	253	162	158	193	138	151	144	204	358
0%	347	338	371	227	140	134	113	107	137	114	177	301

Monthly Flows (in CFS) for
03150105 - Upper Coosa River Subbasin

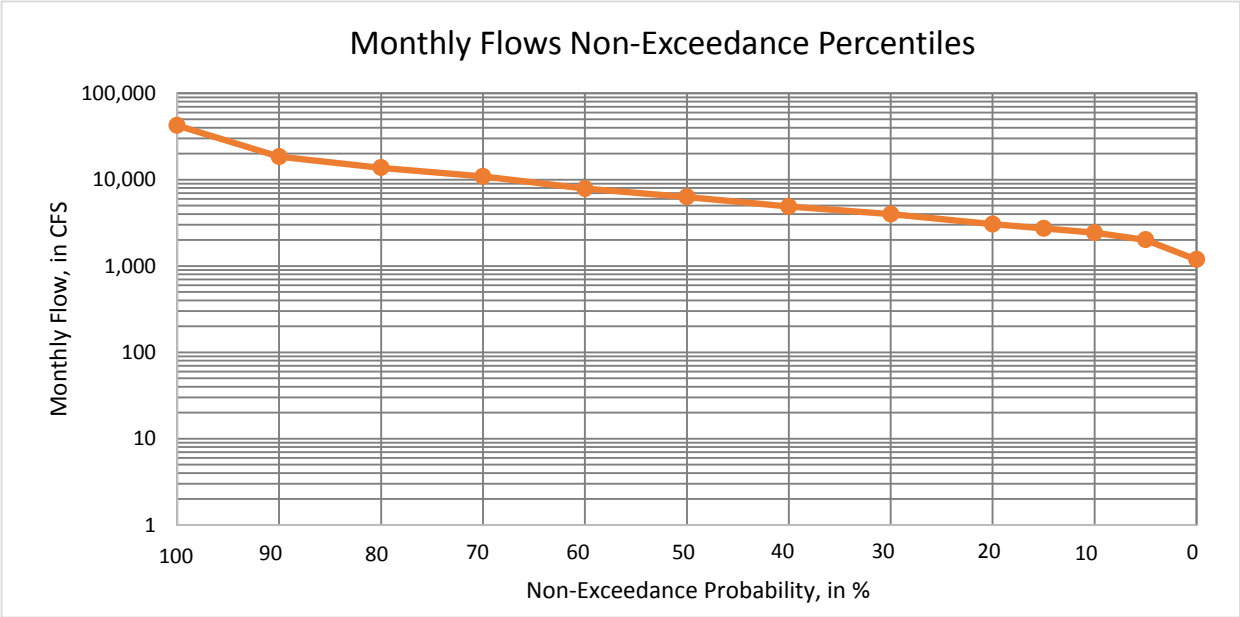
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	15,751	22,680	20,692	13,440	7,618	5,488	4,644	5,825	10,496	12,987	8,906	10,758	11,538
1976	16,619	11,796	23,790	18,292	9,905	7,258	11,787	4,430	3,644	3,595	4,303	2,713	9,844
1977	11,858	7,114	27,249	30,929	6,578	3,860	2,336	3,113	5,040	10,854	17,992	9,950	11,408
1978	19,356	10,353	11,835	5,868	13,143	5,842	2,785	4,236	2,751	2,201	2,725	5,305	7,206
1979	14,579	12,957	30,540	42,322	9,800	7,851	6,545	4,938	8,187	7,723	12,883	6,871	13,729
1980	14,380	13,167	37,939	27,834	16,573	5,883	3,699	2,430	2,958	4,892	4,982	4,556	11,608
1981	2,804	15,361	9,091	11,483	2,671	5,254	3,059	2,084	3,270	2,431	3,067	6,542	5,511
1982	20,905	26,573	13,646	18,663	8,273	5,223	4,321	3,764	2,464	4,007	6,879	25,473	11,597
1983	10,968	18,897	16,039	24,317	15,246	7,238	3,733	2,757	3,339	3,223	10,135	29,829	12,098
1984	17,990	11,386	13,532	15,829	16,833	4,543	6,619	11,650	3,174	4,250	4,433	6,831	9,773
1985	5,423	17,488	6,369	4,536	5,690	2,708	6,643	4,819	2,592	3,750	4,390	5,704	5,772
1986	3,539	5,178	5,142	2,774	1,636	1,841	1,717	1,702	1,910	1,949	8,367	9,567	3,766
1987	14,943	14,154	19,136	6,262	3,487	4,119	3,965	1,819	2,005	2,176	1,845	3,189	6,393
1988	9,726	6,957	4,434	4,700	2,997	1,767	1,440	1,931	5,468	2,968	6,465	4,565	4,429
1989	13,675	9,773	21,461	13,231	6,469	16,837	14,253	4,367	4,920	12,650	11,922	12,414	11,849
1990	22,592	39,046	35,663	8,831	7,234	3,607	3,501	2,767	2,410	3,735	3,746	7,682	11,588
1991	8,825	12,139	14,596	12,644	16,277	6,745	4,780	3,695	3,839	3,222	4,847	7,970	8,281
1992	11,574	13,702	14,739	7,664	3,635	5,573	4,132	5,639	6,352	4,241	17,511	19,294	9,473
1993	24,564	12,123	17,106	10,628	6,979	4,002	3,214	2,487	2,222	1,820	3,083	5,627	7,817
1994	8,823	13,554	17,006	20,067	5,466	4,706	8,068	5,370	5,558	8,909	5,785	13,091	9,676
1995	9,440	18,447	19,054	5,877	4,285	3,124	2,593	2,327	2,596	16,299	15,967	10,975	9,199
1996	18,959	24,404	26,265	11,353	6,098	5,176	3,424	3,724	4,457	3,997	6,669	10,778	10,366
1997	16,419	15,418	19,222	11,233	12,116	13,524	5,441	4,248	3,430	7,447	8,379	9,491	10,506
1998	18,647	26,062	21,457	19,965	8,301	5,173	3,449	3,531	2,505	2,255	3,295	6,091	9,955
1999	12,558	13,897	11,072	5,433	6,378	6,538	8,098	2,845	2,337	2,395	3,728	3,311	6,511
2000	4,838	4,408	8,445	19,664	3,651	2,076	1,913	2,061	1,953	2,099	3,997	3,601	4,874
2001	7,902	10,399	22,812	11,422	4,409	7,797	5,107	4,165	4,702	2,793	3,296	6,888	7,627
2002	12,200	8,417	8,031	8,683	7,624	2,719	2,565	2,194	4,434	5,115	11,989	20,464	7,875
2003	8,310	16,568	19,610	9,950	30,241	12,835	15,854	7,393	3,949	3,832	5,658	6,937	11,762
2004	8,338	14,748	6,598	4,654	5,140	5,012	4,591	3,162	9,984	5,389	18,369	17,732	8,584
2005	7,037	11,752	14,897	16,971	6,454	6,961	13,120	5,494	2,937	2,740	3,672	6,835	8,217
2006	10,759	12,383	9,870	6,765	5,595	2,564	2,127	2,446	1,683	2,950	6,869	4,514	5,669
2007	8,425	4,977	3,974	2,796	2,405	1,577	1,844	2,233	2,007	1,183	1,296	1,211	2,819
2008	2,803	7,703	9,234	5,762	5,592	2,346	1,822	4,389	2,464	2,131	2,231	9,789	4,680
2009	16,415	6,338	16,573	12,272	13,968	3,702	2,716	2,920	11,578	17,352	18,133	24,261	12,242
2010	15,767	19,964	18,646	8,347	8,726	4,732	2,760	2,691	2,027	1,980	2,521	4,173	7,630
2011	5,141	6,742	20,842	14,398	4,145	2,458	2,768	2,480	3,572	2,644	4,555	10,599	6,700
2012	11,837	7,577	11,658	3,594	2,681	1,877	2,321	2,909	2,677	2,947	2,315	7,196	4,970
2013	17,615	19,995	12,306	13,911	20,530	7,309	11,427	7,499	4,522	4,348	4,860	21,058	12,099
2014	14,371	15,097	12,680	18,709	6,880	6,264	3,524	2,454	2,615	3,994	5,148	9,975	8,425

Non-Exceedance Percentiles

03150105 - Upper Coosa River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	2,803	4,408	3,974	2,774	1,636	1,577	1,440	1,702	1,683	1,183	1,296	1,211	2,819
5th %	3,502	5,168	5,107	3,554	2,658	1,837	1,817	1,926	1,951	1,943	2,212	3,165	4,396
10th %	5,111	6,702	6,575	4,642	2,965	2,057	1,906	2,082	2,006	2,087	2,500	3,572	4,854
15th %	6,795	7,091	8,383	5,323	3,613	2,441	2,292	2,227	2,193	2,169	3,015	4,463	5,430
20th %	8,228	7,678	9,205	5,847	4,046	2,679	2,520	2,409	2,395	2,244	3,252	4,563	5,751
30th %	8,824	10,385	11,782	7,394	5,368	3,673	2,766	2,485	2,566	2,711	3,741	5,975	7,054
40th %	10,884	11,992	13,600	9,503	5,935	4,374	3,340	2,814	2,722	2,961	4,415	6,857	7,852
Median	12,029	13,062	15,468	11,387	6,523	5,092	3,611	3,137	3,222	3,665	4,921	7,439	8,504
60th %	14,374	14,000	17,722	12,879	7,388	5,347	4,207	3,740	3,601	3,996	6,057	9,656	9,715
70th %	15,756	15,378	19,338	14,827	8,428	5,998	4,878	4,284	4,441	4,280	7,326	10,647	10,408
80th %	16,818	18,537	21,458	18,673	12,321	7,016	6,624	4,843	4,944	5,801	10,492	12,549	11,590
90th %	18,999	22,852	26,364	20,492	16,307	7,802	11,463	5,657	6,536	11,034	16,122	20,523	11,874
Maximum	24,564	39,046	37,939	42,322	30,241	16,837	15,854	11,650	11,578	17,352	18,369	29,829	13,729
Average	12,417	13,992	16,331	12,802	8,293	5,353	4,968	3,775	3,976	4,887	6,930	9,845	8,602

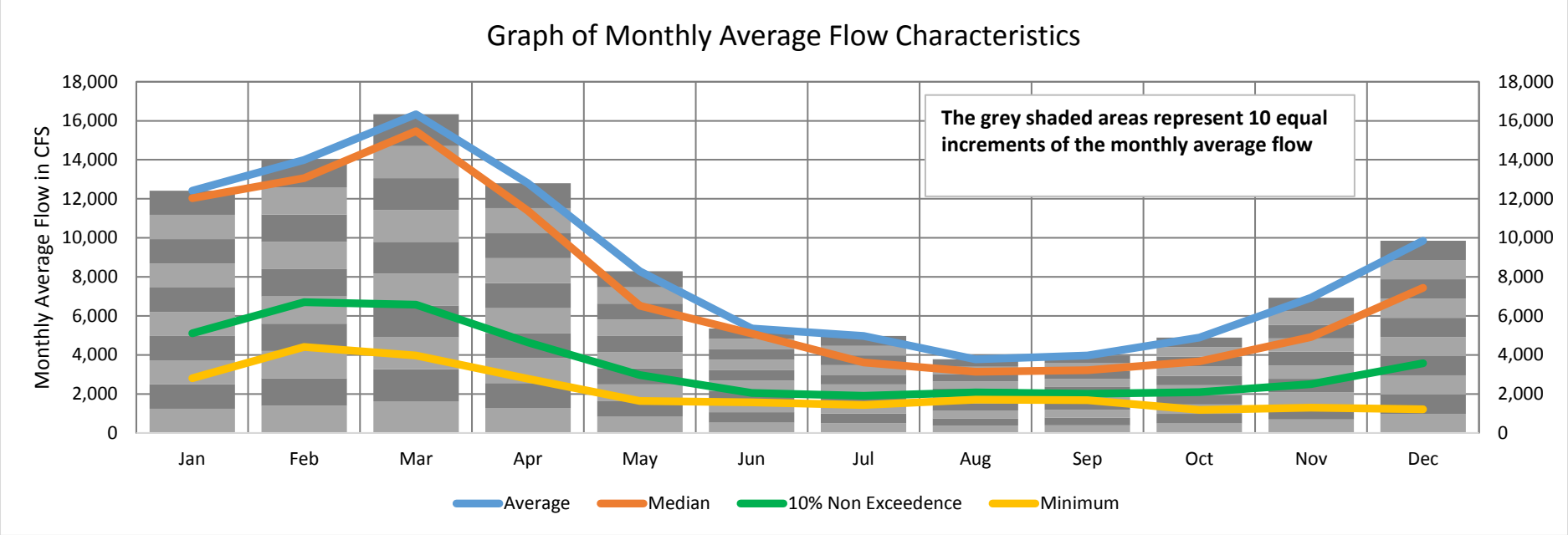
	Flows in CFS
Minimum	1,182.9
5th %	2,006
10th %	2,428
15th %	2,715
20th %	3,047
30th %	3,971
40th %	4,879
Median	6,301
60th %	7,872
70th %	10,888
80th %	13,680
90th %	18,376
Maximum	42,322
Average	8,631



Q10/Q50	0.39
Q10/Q90	0.13
	CFSM*
Qmin/DA	0.21
Q5/DA	0.36
Q10/DA	0.43
Q15/DA	0.49
Q20/DA	0.55
Q30/DA	0.71
Q40/DA	0.87
Q50/DA	1.13
Q60/DA	1.41
Q70/DA	1.95
Q80/DA	2.45
Q90/DA	3.29
Qmax/DA	7.57

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

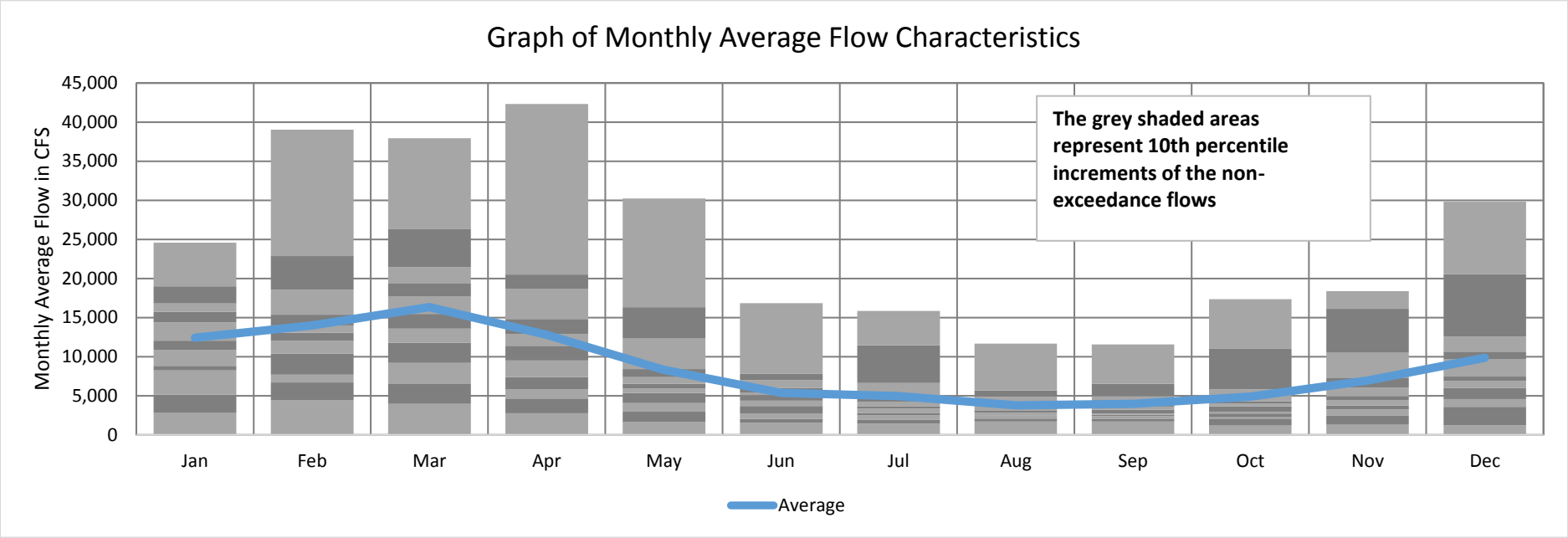
Site #: 03150105 Name: Upper Coosa River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	12,417	13,992	16,331	12,802	8,293	5,353	4,968	3,775	3,976	4,887	6,930	9,845
100%	24,564	39,046	37,939	42,322	30,241	16,837	15,854	11,650	11,578	17,352	18,369	29,829
98%	23,026	29,317	36,164	33,435	22,666	14,253	14,605	8,412	10,734	16,531	18,185	26,431
95%	20,989	26,088	30,796	27,988	17,018	12,869	13,176	7,399	10,010	13,153	17,999	24,322
90%	18,999	22,852	26,364	20,492	16,307	7,802	11,463	5,657	6,536	11,034	16,122	20,523
75%	16,416	16,798	20,730	17,301	9,826	6,590	5,717	4,399	4,567	4,947	8,511	10,827
50%	12,029	13,062	15,468	11,387	6,523	5,092	3,611	3,137	3,222	3,665	4,921	7,439
25%	8,403	9,434	10,771	6,165	4,378	3,023	2,685	2,452	2,464	2,422	3,578	5,546
10%	5,111	6,702	6,575	4,642	2,965	2,057	1,906	2,082	2,006	2,087	2,500	3,572
5%	3,502	5,168	5,107	3,554	2,658	1,837	1,817	1,926	1,951	1,943	2,212	3,165
2%	2,804	4,851	4,333	2,791	2,236	1,725	1,656	1,793	1,860	1,680	1,725	2,383
0%	2,803	4,408	3,974	2,774	1,636	1,577	1,440	1,702	1,683	1,183	1,296	1,211

Site #: 03150105 Name: Upper Coosa River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 5,588 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	12,417	13,992	16,331	12,802	8,293	5,353	4,968	3,775	3,976	4,887	6,930	9,845
100%	24,564	39,046	37,939	42,322	30,241	16,837	15,854	11,650	11,578	17,352	18,369	29,829
98%	23,026	29,317	36,164	33,435	22,666	14,253	14,605	8,412	10,734	16,531	18,185	26,431
95%	20,989	26,088	30,796	27,988	17,018	12,869	13,176	7,399	10,010	13,153	17,999	24,322
90%	18,999	22,852	26,364	20,492	16,307	7,802	11,463	5,657	6,536	11,034	16,122	20,523
75%	16,416	16,798	20,730	17,301	9,826	6,590	5,717	4,399	4,567	4,947	8,511	10,827
50%	12,029	13,062	15,468	11,387	6,523	5,092	3,611	3,137	3,222	3,665	4,921	7,439
25%	8,403	9,434	10,771	6,165	4,378	3,023	2,685	2,452	2,464	2,422	3,578	5,546
10%	5,111	6,702	6,575	4,642	2,965	2,057	1,906	2,082	2,006	2,087	2,500	3,572
5%	3,502	5,168	5,107	3,554	2,658	1,837	1,817	1,926	1,951	1,943	2,212	3,165
2%	2,804	4,851	4,333	2,791	2,236	1,725	1,656	1,793	1,860	1,680	1,725	2,383
0%	2,803	4,408	3,974	2,774	1,636	1,577	1,440	1,702	1,683	1,183	1,296	1,211

Monthly Flows (in CFS) for
03150106 - Middle Coosa River Subbasin

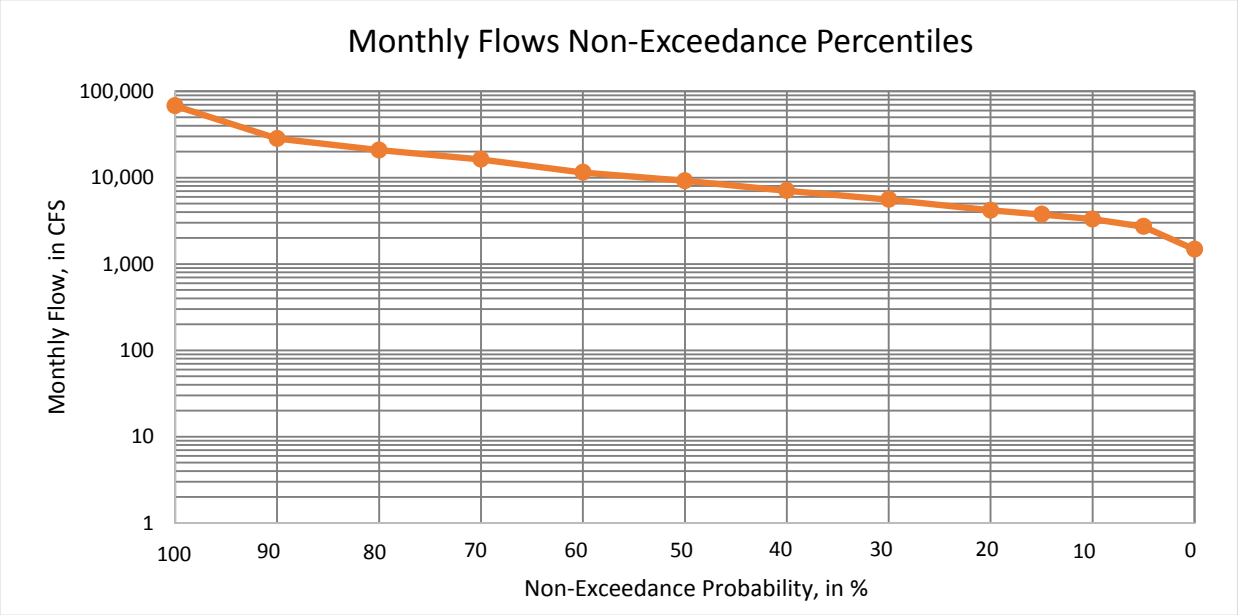
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	27,507	37,379	34,404	19,607	10,026	7,680	8,196	9,878	16,292	20,637	12,633	15,962	18,241
1976	30,788	16,497	40,748	28,167	15,177	9,901	14,252	5,778	4,309	5,064	6,122	3,376	15,034
1977	17,714	10,209	41,629	48,577	9,546	5,433	3,154	4,355	7,378	16,351	27,687	15,049	17,260
1978	29,756	15,614	17,907	8,308	19,691	8,119	3,797	6,045	3,827	2,989	3,774	7,703	10,637
1979	22,459	19,587	47,747	67,665	14,507	11,393	9,592	7,154	12,058	11,347	19,509	10,038	21,028
1980	21,667	19,881	60,471	43,767	25,275	8,416	5,209	3,308	4,095	6,769	7,149	6,536	17,714
1981	3,835	23,801	12,594	16,222	3,481	7,547	4,109	2,747	4,584	3,330	4,313	9,629	7,885
1982	32,434	41,424	20,790	27,990	12,061	7,461	6,120	5,334	3,367	5,711	10,120	39,905	17,592
1983	16,495	29,164	24,496	37,908	23,174	10,418	5,222	3,784	4,685	4,518	15,273	47,111	18,449
1984	27,991	17,025	20,656	23,895	25,759	6,466	9,454	17,063	4,413	6,127	6,386	10,117	14,640
1985	7,779	26,563	9,241	6,383	8,016	3,666	9,599	6,701	3,494	5,303	6,294	8,268	8,332
1986	4,947	7,411	7,294	3,780	2,088	2,430	2,269	2,246	2,534	2,598	12,554	14,541	5,375
1987	22,746	21,533	29,393	9,047	4,792	5,826	5,595	2,379	2,695	2,972	2,439	4,445	9,439
1988	14,447	10,047	6,288	6,568	4,138	2,337	1,832	2,599	8,075	4,197	9,607	6,656	6,367
1989	20,747	14,443	32,981	20,067	9,390	25,332	21,467	6,182	7,097	19,344	17,970	18,736	17,843
1990	34,696	61,660	56,195	13,019	10,625	5,058	4,939	3,835	3,301	5,368	5,357	11,307	17,711
1991	13,139	17,959	22,012	18,864	24,958	9,810	6,843	5,129	5,411	4,534	6,945	11,843	12,263
1992	17,156	20,215	22,385	10,970	4,993	7,930	5,761	8,061	9,211	6,017	26,851	29,655	14,054
1993	37,854	18,003	25,568	15,729	9,953	5,568	4,519	3,369	3,004	2,387	4,277	8,135	11,525
1994	12,997	20,428	25,913	30,846	7,838	6,776	11,787	7,549	7,992	13,312	8,450	19,787	14,435
1995	14,195	28,442	29,169	8,318	6,044	4,353	3,569	3,145	3,504	23,948	24,002	16,407	13,678
1996	28,583	37,983	40,582	17,001	8,784	7,372	4,797	5,161	6,255	5,644	9,622	16,063	15,532
1997	24,644	23,056	29,623	16,441	18,011	20,593	7,718	6,066	4,633	10,992	12,441	13,974	15,646
1998	28,308	40,223	32,975	30,210	12,233	7,292	4,789	4,885	3,421	3,013	4,573	8,762	14,891
1999	18,909	20,870	16,257	7,625	9,329	9,510	12,135	3,950	3,207	3,216	5,275	4,627	9,518
2000	6,881	6,222	12,456	30,532	5,130	2,772	2,563	2,809	2,650	2,863	5,636	5,084	7,105
2001	11,590	15,384	35,046	17,154	6,115	11,326	7,242	5,905	6,759	3,850	4,628	10,197	11,247
2002	18,218	12,418	11,751	12,869	11,103	3,716	3,484	2,943	6,292	7,290	17,969	31,410	11,631
2003	12,271	25,183	29,970	14,761	47,536	19,562	24,193	10,855	5,572	5,442	8,213	10,249	17,820
2004	12,337	22,407	9,507	6,617	7,331	7,247	6,605	4,419	15,045	7,901	28,427	27,368	12,841
2005	10,248	17,690	22,660	25,803	9,361	10,131	19,904	7,947	4,077	3,786	5,187	10,030	12,201
2006	16,110	18,413	14,481	9,702	8,107	3,486	2,864	3,365	2,181	4,109	10,092	6,469	8,219
2007	12,427	7,085	5,507	3,812	3,297	2,063	2,446	3,076	2,743	1,493	1,645	1,474	3,911
2008	3,862	11,333	13,653	8,214	8,071	3,194	2,433	6,404	3,423	2,913	3,056	14,807	6,768
2009	24,922	9,107	25,187	18,553	21,352	5,225	3,778	3,994	17,894	27,033	27,882	38,023	18,670
2010	24,032	30,877	28,461	12,207	12,827	6,748	3,811	3,718	2,711	2,654	3,481	6,033	11,361
2011	7,530	9,967	32,112	22,038	5,914	3,351	3,861	3,447	5,108	3,670	6,513	16,085	9,974
2012	18,067	11,244	17,707	5,077	3,706	2,516	3,188	4,085	3,755	4,102	3,187	10,838	7,297
2013	27,255	30,953	18,633	20,934	32,110	10,831	17,160	11,110	6,325	6,293	6,990	32,607	18,409
2014	21,705	22,798	19,160	28,935	10,052	9,052	4,927	3,325	3,599	5,744	7,489	15,058	12,575

Non-Exceedance Percentiles

03150106 - Middle Coosa River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	3,835	6,222	5,507	3,780	2,088	2,063	1,832	2,246	2,181	1,493	1,645	1,474	3,911
5th %	4,892	7,395	7,243	5,014	3,472	2,425	2,425	2,588	2,645	2,587	3,025	4,391	6,317
10th %	7,466	9,881	9,481	6,550	4,095	2,746	2,551	2,803	2,710	2,842	3,452	5,038	7,071
15th %	9,878	10,185	12,351	7,474	4,963	3,327	3,111	3,056	2,965	2,963	4,201	6,404	7,796
20th %	12,135	11,316	13,441	8,289	5,757	3,630	3,425	3,275	3,282	3,008	4,521	6,632	8,309
30th %	13,096	15,545	17,847	10,590	7,686	5,175	3,807	3,424	3,473	3,751	5,333	8,614	10,438
40th %	16,341	17,851	20,736	14,064	8,513	6,210	4,681	3,904	3,798	4,162	6,349	10,085	11,589
Median	18,142	19,734	23,578	16,721	9,468	7,269	5,074	4,387	4,361	5,184	7,069	11,073	12,708
60th %	21,682	21,135	26,933	19,161	10,281	7,600	5,904	5,230	4,854	5,670	8,913	14,648	14,517
70th %	24,216	23,279	29,727	22,595	12,411	8,606	7,385	6,051	6,266	6,177	10,816	15,993	15,566
80th %	27,604	28,586	33,265	28,321	18,347	9,947	9,593	6,792	7,153	8,520	15,812	18,946	17,712
90th %	29,860	37,439	40,836	31,552	24,990	11,333	14,542	8,242	9,496	16,650	24,287	31,530	18,258
Maximum	37,854	61,660	60,471	67,665	47,536	25,332	24,193	17,063	17,894	27,033	28,427	47,111	21,028
Average	18,981	21,262	25,090	19,355	12,298	7,698	7,129	5,353	5,674	7,121	10,250	14,859	12,878

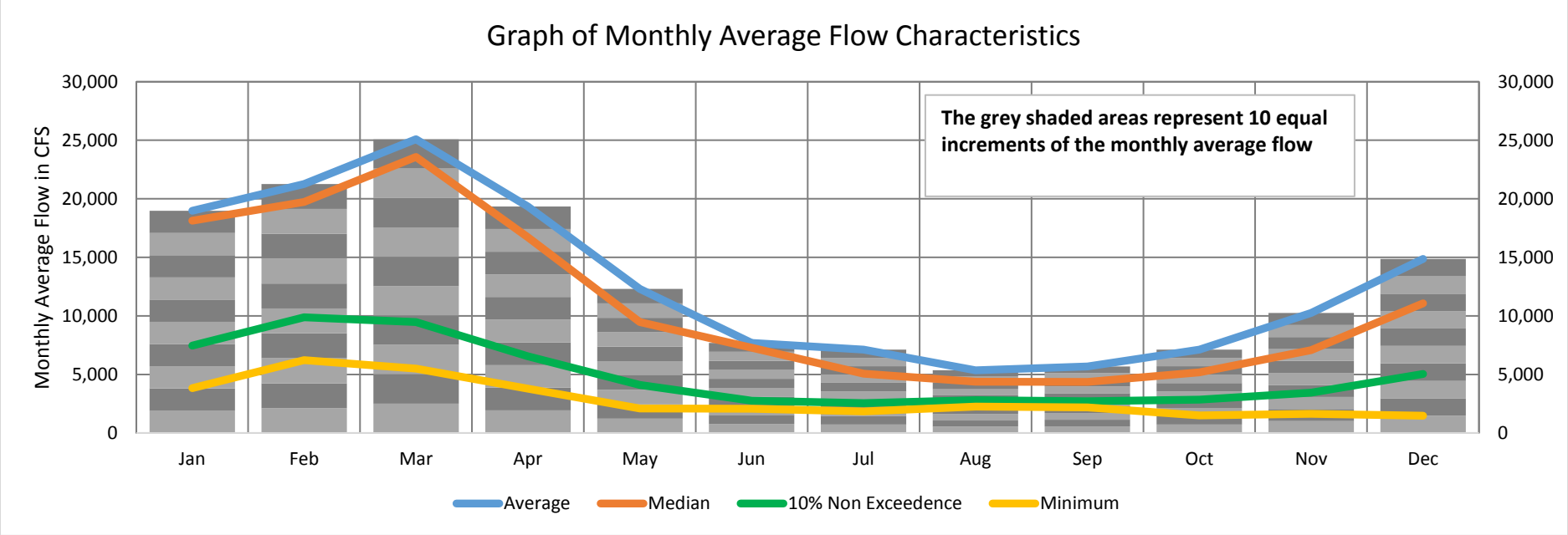
	Flows in CFS
Minimum	1,473.9
5th %	2,710
10th %	3,307
15th %	3,749
20th %	4,185
30th %	5,571
40th %	7,047
Median	9,159
60th %	11,472
70th %	16,232
80th %	20,756
90th %	28,320
Maximum	67,665
Average	12,923



Q10/Q50	0.36
Q10/Q90	0.12
	CFSM*
Qmin/DA	0.18
Q5/DA	0.32
Q10/DA	0.39
Q15/DA	0.45
Q20/DA	0.50
Q30/DA	0.66
Q40/DA	0.84
Q50/DA	1.09
Q60/DA	1.37
Q70/DA	1.93
Q80/DA	2.47
Q90/DA	3.37
Qmax/DA	8.06

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

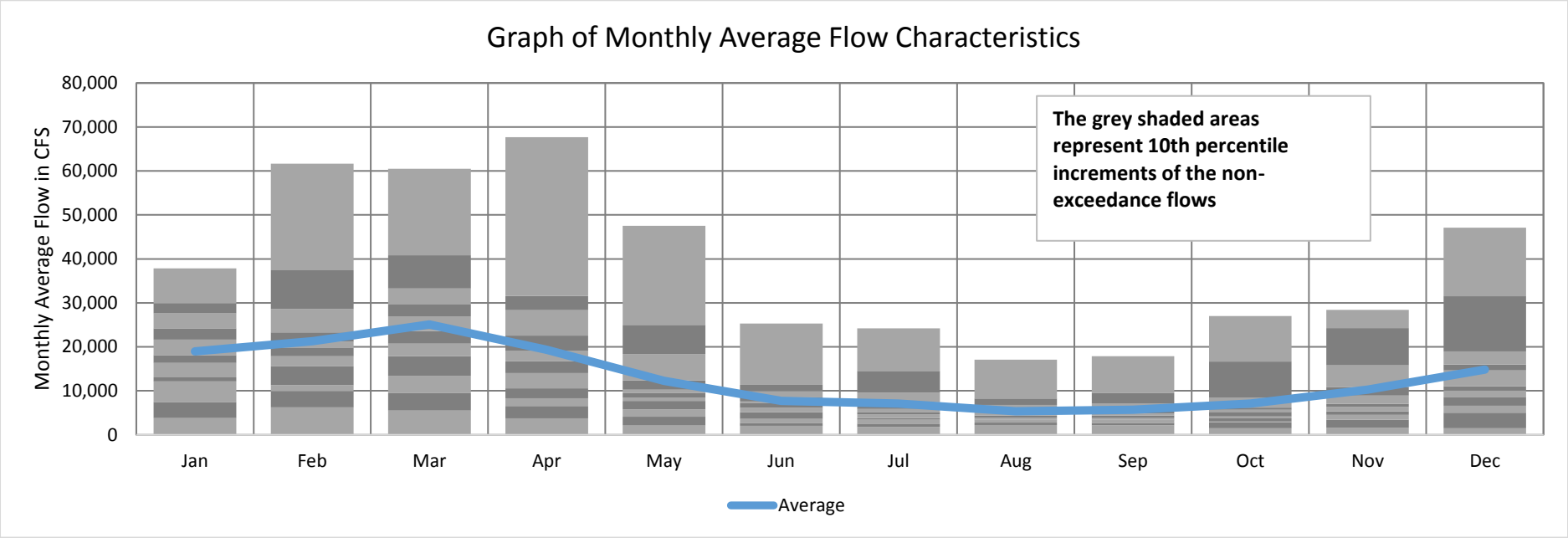
Site #: 03150106 Name: Middle Coosa River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	18,981	21,262	25,090	19,355	12,298	7,698	7,129	5,353	5,674	7,121	10,250	14,859
100%	37,854	61,660	60,471	67,665	47,536	25,332	24,193	17,063	17,894	27,033	28,427	47,111
98%	35,391	45,876	57,135	52,776	35,504	21,636	22,067	12,419	16,644	24,627	28,002	41,490
95%	32,547	40,283	48,170	44,008	26,076	19,614	19,982	10,868	15,107	20,803	27,696	38,117
90%	29,860	37,439	40,836	31,552	24,990	11,333	14,542	8,242	9,496	16,650	24,287	31,530
75%	25,505	25,528	32,327	26,350	14,675	9,585	8,510	6,237	6,434	6,899	12,574	16,166
50%	18,142	19,734	23,578	16,721	9,468	7,269	5,074	4,387	4,361	5,184	7,069	11,073
25%	12,404	13,936	15,813	8,865	6,098	4,194	3,725	3,355	3,408	3,302	5,048	8,027
10%	7,466	9,881	9,481	6,550	4,095	2,746	2,551	2,803	2,710	2,842	3,452	5,038
5%	4,892	7,395	7,243	5,014	3,472	2,425	2,425	2,588	2,645	2,587	3,025	4,391
2%	3,856	6,895	6,116	3,805	3,031	2,276	2,172	2,350	2,456	2,191	2,264	2,958
0%	3,835	6,222	5,507	3,780	2,088	2,063	1,832	2,246	2,181	1,493	1,645	1,474

Site #: 03150106 Name: Middle Coosa River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 8,392 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	18,981	21,262	25,090	19,355	12,298	7,698	7,129	5,353	5,674	7,121	10,250	14,859
100%	37,854	61,660	60,471	67,665	47,536	25,332	24,193	17,063	17,894	27,033	28,427	47,111
98%	35,391	45,876	57,135	52,776	35,504	21,636	22,067	12,419	16,644	24,627	28,002	41,490
95%	32,547	40,283	48,170	44,008	26,076	19,614	19,982	10,868	15,107	20,803	27,696	38,117
90%	29,860	37,439	40,836	31,552	24,990	11,333	14,542	8,242	9,496	16,650	24,287	31,530
75%	25,505	25,528	32,327	26,350	14,675	9,585	8,510	6,237	6,434	6,899	12,574	16,166
50%	18,142	19,734	23,578	16,721	9,468	7,269	5,074	4,387	4,361	5,184	7,069	11,073
25%	12,404	13,936	15,813	8,865	6,098	4,194	3,725	3,355	3,408	3,302	5,048	8,027
10%	7,466	9,881	9,481	6,550	4,095	2,746	2,551	2,803	2,710	2,842	3,452	5,038
5%	4,892	7,395	7,243	5,014	3,472	2,425	2,425	2,588	2,645	2,587	3,025	4,391
2%	3,856	6,895	6,116	3,805	3,031	2,276	2,172	2,350	2,456	2,191	2,264	2,958
0%	3,835	6,222	5,507	3,780	2,088	2,063	1,832	2,246	2,181	1,493	1,645	1,474

Monthly Flows (in CFS) for
03150107 - Lower Coosa River Subbasin

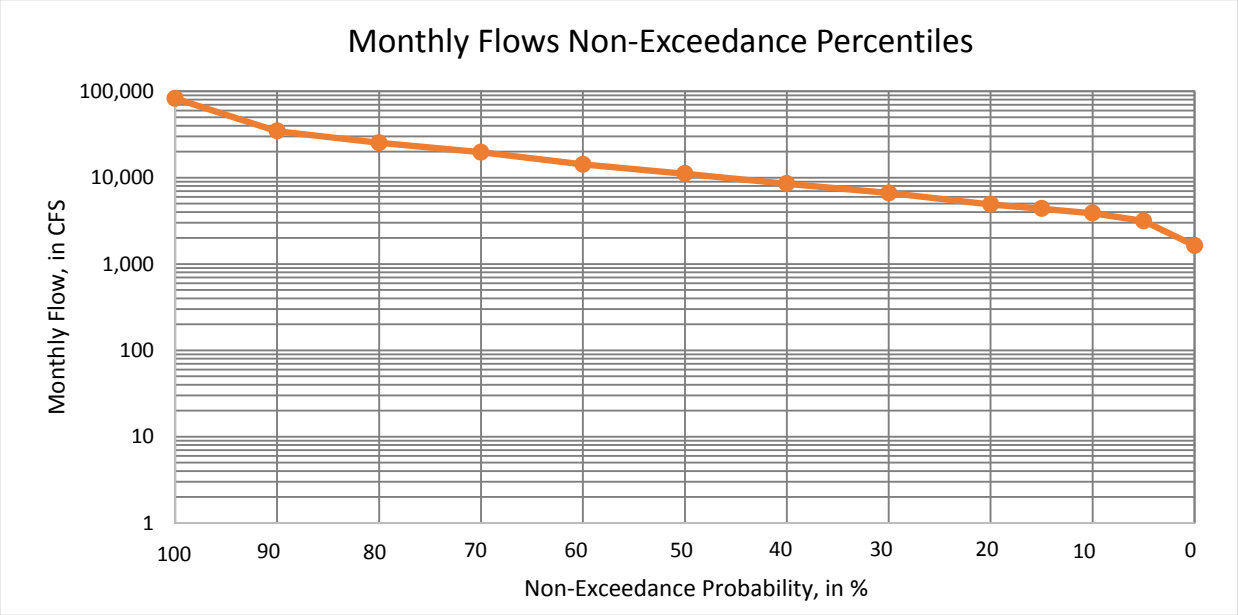
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	33,820	47,220	43,350	29,650	14,130	10,830	12,930	13,900	21,370	25,010	15,490	18,550	23,712
1976	36,800	20,610	57,520	33,180	20,500	12,540	16,050	7,471	5,553	4,760	6,633	14,960	19,765
1977	22,080	14,460	52,370	54,460	10,460	6,088	3,568	4,338	8,986	17,800	29,550	17,200	20,109
1978	36,080	18,770	21,880	10,700	23,860	10,750	4,211	6,916	4,377	3,485	4,445	9,246	12,903
1979	27,280	23,770	58,180	82,520	17,560	13,760	11,550	8,576	14,570	13,700	23,670	12,100	25,530
1980	26,310	24,130	73,730	53,320	30,720	10,120	6,198	3,875	4,837	8,105	8,569	7,820	21,481
1981	4,520	28,920	15,220	19,660	4,087	9,055	4,855	3,190	5,434	3,902	5,103	11,600	9,468
1982	39,470	50,450	25,240	34,040	14,570	8,951	7,311	6,351	3,948	6,811	12,200	48,600	21,331
1983	19,990	35,470	29,770	46,160	28,150	12,560	6,214	4,457	5,558	5,354	18,500	57,400	22,378
1984	34,040	20,640	25,070	29,030	31,310	7,735	11,390	20,680	5,226	7,321	7,637	12,200	17,724
1985	9,339	32,290	11,130	7,633	9,629	4,313	11,560	8,021	4,103	6,313	7,524	9,937	10,014
1986	5,878	8,889	8,746	4,452	2,384	2,802	2,605	2,577	2,929	3,007	15,170	17,600	6,401
1987	27,630	26,150	35,750	10,890	5,689	6,952	6,670	2,740	3,127	3,465	2,813	5,265	11,368
1988	17,490	12,110	7,516	7,859	4,890	2,688	2,071	3,008	9,701	4,961	11,570	7,967	7,613
1989	25,190	17,480	40,140	24,350	11,310	30,790	26,070	7,387	8,505	23,470	21,790	22,730	21,638
1990	42,230	75,180	68,500	15,740	12,820	6,014	5,868	4,519	3,867	6,393	6,379	13,650	21,475
1991	15,890	21,780	26,730	22,880	30,330	11,820	8,195	6,100	6,445	5,374	8,320	14,300	14,817
1992	20,800	24,540	27,190	13,240	5,935	9,523	6,872	9,683	11,090	7,185	32,640	36,070	17,007
1993	46,090	21,830	31,080	19,050	12,000	6,637	5,355	3,949	3,504	2,750	5,059	9,774	13,917
1994	15,720	24,800	31,500	37,530	9,411	8,113	14,240	9,058	9,599	16,100	10,160	24,010	17,473
1995	17,180	34,590	35,480	9,997	7,219	5,152	4,194	3,675	4,115	29,100	29,160	19,880	16,547
1996	34,760	46,250	49,420	20,610	10,570	8,842	5,695	6,140	7,477	6,729	11,590	19,460	18,813
1997	29,950	28,010	36,030	19,920	21,840	25,000	9,265	7,246	5,494	13,270	15,040	16,910	18,953
1998	34,430	48,990	40,130	36,750	14,780	8,744	5,685	5,803	4,013	3,515	5,421	10,540	18,030
1999	22,940	25,340	19,700	9,150	11,230	11,450	14,660	4,659	3,751	3,763	6,279	5,486	11,463
2000	8,241	7,437	15,050	37,140	6,101	3,220	2,965	3,266	3,072	3,332	6,720	6,045	8,515
2001	14,000	18,630	42,660	20,800	7,306	13,670	8,682	7,049	8,093	4,537	5,489	12,290	13,577
2002	22,100	15,010	14,190	15,560	13,400	4,374	4,090	3,430	7,522	8,741	21,790	38,220	14,046
2003	14,830	30,610	36,460	17,870	57,920	23,740	29,400	13,100	6,642	6,484	9,870	12,360	21,611
2004	14,910	27,210	11,450	7,919	8,792	8,688	7,904	5,233	18,220	9,488	34,570	33,280	15,525
2005	12,360	21,450	27,520	31,360	11,270	12,210	24,160	9,544	4,815	4,459	6,172	12,090	14,742
2006	19,520	22,330	17,530	11,690	9,740	4,093	3,333	3,945	2,498	4,854	12,170	7,738	9,877
2007	15,020	8,490	6,563	4,491	3,861	2,353	2,822	3,592	3,184	1,657	1,843	1,634	4,612
2008	4,552	13,680	16,520	9,871	9,696	3,736	2,806	7,659	4,015	3,392	3,567	17,930	8,104
2009	30,290	10,960	30,610	22,500	25,930	6,218	4,449	4,714	21,700	32,870	33,910	46,300	22,649
2010	29,200	37,560	34,610	14,750	15,510	8,078	4,490	4,376	3,146	3,075	4,087	7,206	13,715
2011	9,035	12,010	39,070	26,760	7,060	3,927	4,551	4,045	6,075	4,318	7,792	19,490	12,021
2012	21,910	13,570	21,470	6,037	4,362	2,907	3,729	4,824	4,421	4,845	3,727	13,080	8,749
2013	33,140	37,660	22,600	25,410	39,070	13,070	20,800	13,410	7,562	7,523	8,375	39,679	22,328
2014	26,357	27,692	23,246	35,192	12,116	10,894	5,854	3,896	4,231	6,853	8,984	18,234	15,199

Non-Exceedance Percentiles

03150107 - Lower Coosa River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	4,520	7,437	6,563	4,452	2,384	2,353	2,071	2,577	2,498	1,657	1,843	1,634	4,612
5th %	5,812	8,869	8,685	5,960	4,076	2,796	2,796	2,995	3,065	2,994	3,529	5,475	7,552
10th %	8,956	11,905	11,418	7,836	4,837	3,189	2,951	3,258	3,144	3,306	4,051	7,090	8,473
15th %	11,907	13,351	14,921	8,965	5,898	3,898	3,533	3,568	3,456	3,454	4,967	7,808	9,360
20th %	14,664	14,304	16,260	9,972	6,868	4,269	4,018	3,835	3,844	3,509	5,357	8,990	9,987
30th %	15,839	18,728	21,757	12,775	9,225	6,066	4,478	4,016	4,077	4,417	6,349	11,282	12,639
40th %	19,802	21,648	25,172	17,018	10,172	7,422	5,553	4,494	4,403	4,850	7,592	12,254	13,995
Median	22,090	23,950	28,645	20,265	11,290	8,716	6,033	5,029	5,330	5,844	8,472	13,975	15,362
60th %	26,329	25,664	32,744	23,468	13,052	9,242	7,048	6,224	5,765	6,762	10,724	17,360	17,573
70th %	29,425	28,283	36,159	29,216	14,999	10,849	8,857	7,288	7,491	7,382	13,052	18,823	19,196
80th %	33,864	34,766	40,644	34,270	22,244	12,276	11,834	8,132	8,601	10,244	19,158	22,986	21,476
90th %	36,152	46,347	52,885	38,393	30,369	13,679	16,525	10,025	11,438	18,367	29,199	38,366	22,333
Maximum	46,090	75,180	73,730	82,520	57,920	30,790	29,400	20,680	21,700	32,870	34,570	57,400	25,530
Average	23,034	25,924	30,773	23,503	14,938	9,310	8,583	6,410	6,819	8,452	12,244	18,221	15,630

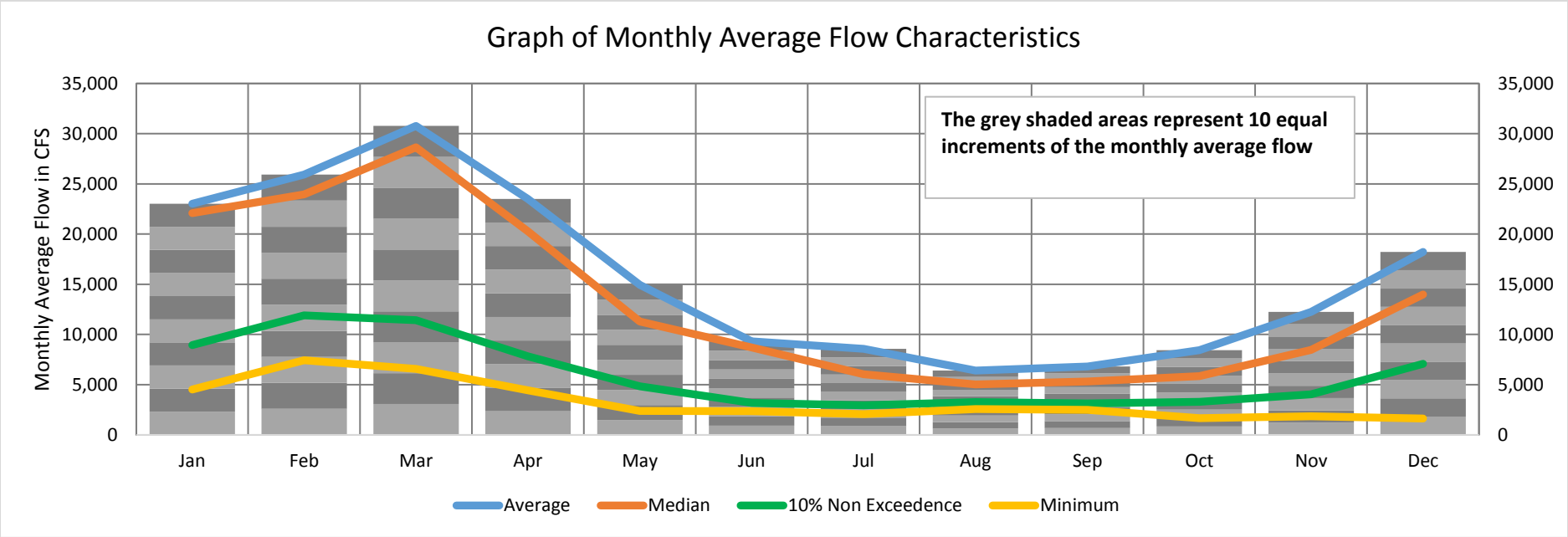
	Flows in CFS
Minimum	1,634.0
5th %	3,145
10th %	3,874
15th %	4,376
20th %	4,883
30th %	6,641
40th %	8,499
Median	11,110
60th %	14,210
70th %	19,672
80th %	25,260
90th %	34,444
Maximum	82,520
Average	15,684



Q10/Q50	0.35
Q10/Q90	0.11
	CFSM*
Qmin/DA	0.16
Q5/DA	0.31
Q10/DA	0.38
Q15/DA	0.43
Q20/DA	0.48
Q30/DA	0.66
Q40/DA	0.84
Q50/DA	1.10
Q60/DA	1.41
Q70/DA	1.95
Q80/DA	2.50
Q90/DA	3.41
Qmax/DA	8.17

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

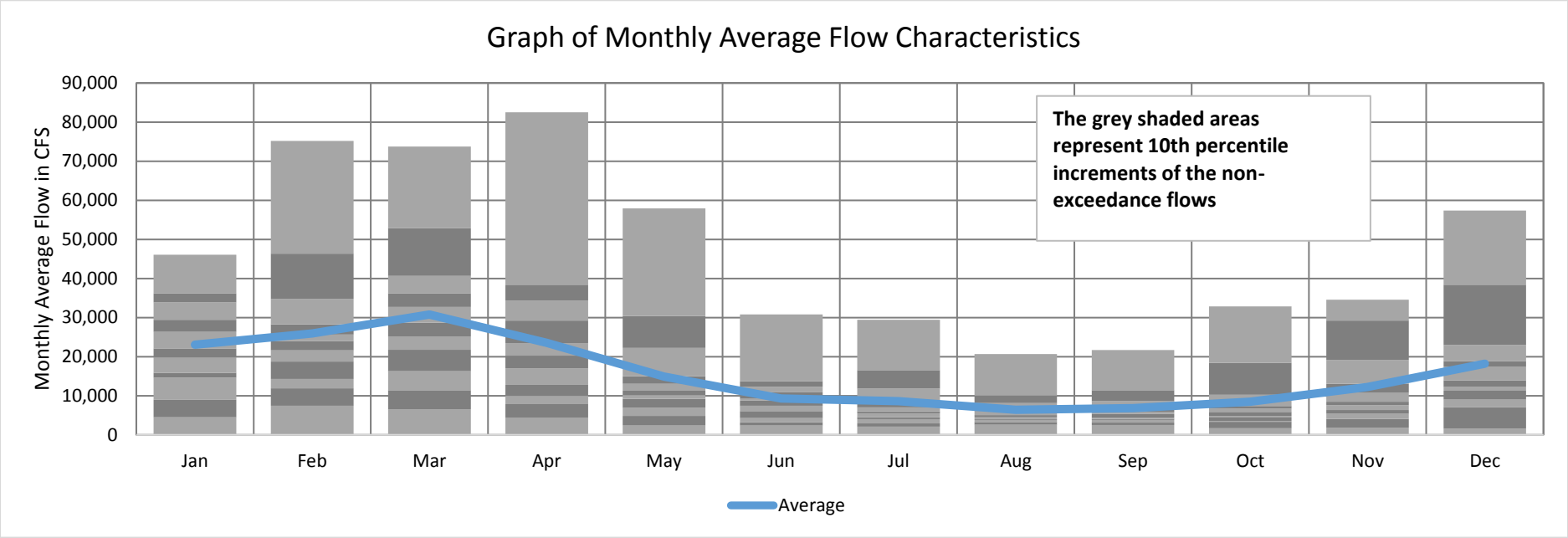
Site #: 03150107 Name: Lower Coosa River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	23,034	25,924	30,773	23,503	14,938	9,310	8,583	6,410	6,819	8,452	12,244	18,221
100%	46,090	75,180	73,730	82,520	57,920	30,790	29,400	20,680	21,700	32,870	34,570	57,400
98%	43,079	55,891	69,651	60,633	43,217	26,274	26,803	15,392	21,443	29,929	34,055	50,536
95%	39,608	49,063	58,696	53,377	31,698	23,803	24,256	13,435	18,378	25,215	32,704	46,415
90%	36,152	46,347	52,885	38,393	30,369	13,679	16,525	10,025	11,438	18,367	29,199	38,366
75%	31,003	31,030	39,335	31,815	18,295	11,543	11,430	7,518	7,695	8,264	15,250	19,588
50%	22,090	23,950	28,645	20,265	11,290	8,716	6,033	5,029	5,330	5,844	8,472	13,975
25%	14,993	16,863	19,158	10,843	7,284	4,958	4,207	3,933	3,997	3,867	6,001	9,896
10%	8,956	11,905	11,418	7,836	4,837	3,189	2,951	3,258	3,144	3,306	4,051	7,090
5%	5,812	8,869	8,685	5,960	4,076	2,796	2,796	2,995	3,065	2,994	3,529	5,475
2%	4,545	8,258	7,306	4,482	3,536	2,614	2,488	2,704	2,834	2,510	2,600	4,466
0%	4,520	7,437	6,563	4,452	2,384	2,353	2,071	2,577	2,498	1,657	1,843	1,634

Site #: 03150107 Name: Lower Coosa River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 10,102 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	23,034	25,924	30,773	23,503	14,938	9,310	8,583	6,410	6,819	8,452	12,244	18,221
100%	46,090	75,180	73,730	82,520	57,920	30,790	29,400	20,680	21,700	32,870	34,570	57,400
98%	43,079	55,891	69,651	60,633	43,217	26,274	26,803	15,392	21,443	29,929	34,055	50,536
95%	39,608	49,063	58,696	53,377	31,698	23,803	24,256	13,435	18,378	25,215	32,704	46,415
90%	36,152	46,347	52,885	38,393	30,369	13,679	16,525	10,025	11,438	18,367	29,199	38,366
75%	31,003	31,030	39,335	31,815	18,295	11,543	11,430	7,518	7,695	8,264	15,250	19,588
50%	22,090	23,950	28,645	20,265	11,290	8,716	6,033	5,029	5,330	5,844	8,472	13,975
25%	14,993	16,863	19,158	10,843	7,284	4,958	4,207	3,933	3,997	3,867	6,001	9,896
10%	8,956	11,905	11,418	7,836	4,837	3,189	2,951	3,258	3,144	3,306	4,051	7,090
5%	5,812	8,869	8,685	5,960	4,076	2,796	2,796	2,995	3,065	2,994	3,529	5,475
2%	4,545	8,258	7,306	4,482	3,536	2,614	2,488	2,704	2,834	2,510	2,600	4,466
0%	4,520	7,437	6,563	4,452	2,384	2,353	2,071	2,577	2,498	1,657	1,843	1,634

Monthly Flows (in CFS) for

03150108 - Upper Tallapoosa River Subbasin

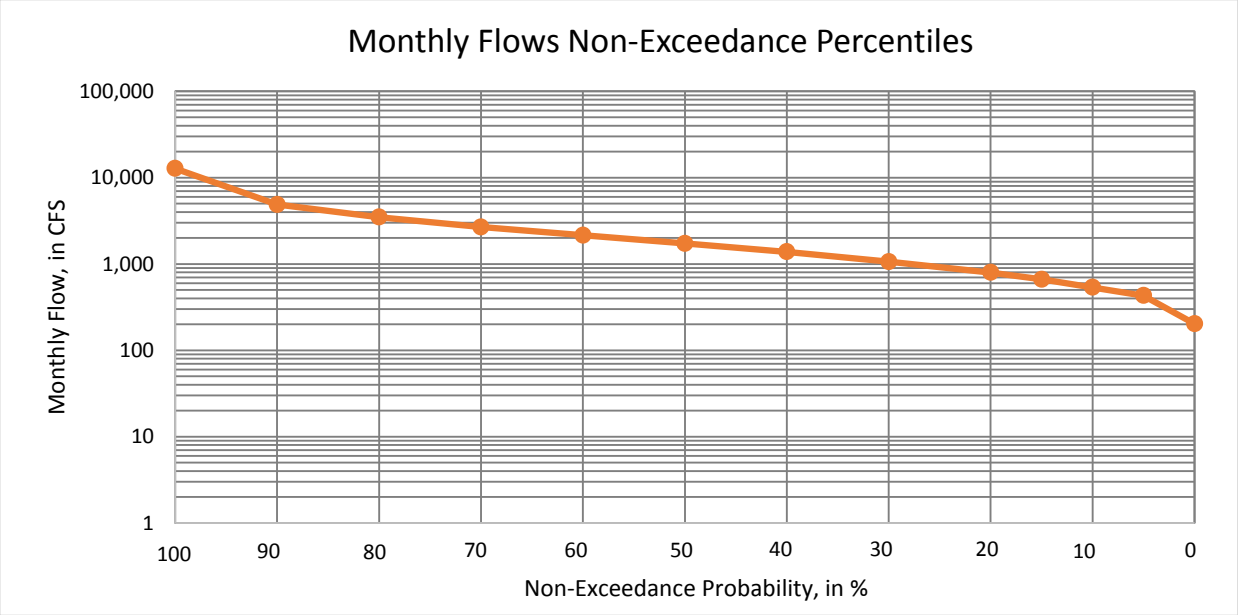
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	4,172	7,009	8,277	5,221	3,240	2,868	3,153	3,402	3,463	4,734	2,894	2,687	4,245
1976	6,175	3,098	9,622	5,580	3,931	2,227	2,038	1,010	832	806	1,061	2,285	3,232
1977	3,129	2,378	9,089	7,541	1,945	1,110	783	492	567	1,634	2,768	1,563	2,750
1978	4,917	2,125	2,742	2,184	4,364	2,340	891	1,050	441	308	399	923	1,894
1979	2,639	3,373	6,909	12,726	3,169	2,934	1,437	878	2,020	1,837	2,784	1,733	3,521
1980	4,069	3,385	9,192	6,498	4,573	1,913	881	526	568	1,146	861	876	2,874
1981	790	3,958	2,541	2,551	1,991	1,196	736	519	471	379	470	1,099	1,373
1982	3,654	7,971	2,684	5,846	2,707	2,259	1,438	1,024	507	1,036	287	2,185	2,594
1983	3,206	4,821	5,138	6,398	3,697	1,979	1,098	818	302	474	2,371	7,211	3,116
1984	3,729	3,458	3,647	3,105	4,438	1,260	1,423	3,768	1,215	766	953	1,540	2,442
1985	1,679	4,130	1,993	666	2,368	811	1,568	1,362	1,382	1,020	1,562	1,413	1,649
1986	1,117	1,425	1,914	510	426	491	570	593	797	245	1,173	1,583	901
1987	4,023	2,768	5,072	1,460	1,166	1,608	1,416	794	554	312	703	671	1,710
1988	2,232	2,139	1,156	556	893	721	496	627	1,234	1,160	1,619	928	1,140
1989	1,783	1,762	3,248	3,003	1,826	4,054	3,540	1,493	1,137	2,910	2,480	2,860	2,512
1990	5,296	9,407	11,454	2,169	1,886	1,147	1,163	547	319	319	911	875	2,925
1991	1,640	3,420	3,271	2,619	4,249	2,589	1,969	1,449	835	954	2,649	2,109	2,305
1992	3,436	4,943	3,926	2,115	1,284	1,758	1,041	1,522	1,317	1,276	5,414	5,517	2,780
1993	5,854	3,905	5,277	2,760	2,542	1,499	1,100	826	717	261	982	1,345	2,251
1994	1,379	3,165	3,836	2,972	1,358	1,511	3,910	2,309	1,332	1,983	2,091	2,658	2,373
1995	1,971	6,371	5,444	1,686	1,214	1,370	836	585	477	4,858	4,296	2,639	2,622
1996	4,564	7,286	7,401	2,444	1,833	1,448	947	1,152	783	1,225	1,476	2,272	2,712
1997	4,325	4,532	6,065	2,005	1,944	3,177	2,591	1,725	812	1,566	1,959	2,623	2,771
1998	4,229	7,158	8,369	4,370	2,476	1,645	1,329	1,534	812	581	1,062	1,080	2,862
1999	2,293	2,425	2,616	745	1,298	1,376	2,030	666	557	482	437	794	1,307
2000	1,292	1,403	1,544	2,913	659	731	618	537	503	430	743	819	1,011
2001	2,089	2,419	6,441	3,376	1,662	2,356	1,303	1,136	883	713	522	1,002	1,990
2002	2,722	1,854	1,592	1,295	1,775	664	783	789	1,407	2,067	3,888	5,357	2,019
2003	2,560	4,104	4,709	2,667	12,357	4,187	5,226	2,303	1,375	1,012	2,324	1,893	3,735
2004	1,964	3,620	1,704	1,328	1,372	1,385	1,529	880	2,778	1,522	3,907	3,413	2,102
2005	2,241	3,624	4,453	4,482	2,216	2,258	6,112	2,649	1,264	862	1,472	1,934	2,795
2006	3,152	4,432	3,614	1,452	1,916	830	722	819	458	890	2,278	1,159	1,795
2007	2,300	1,631	1,304	520	371	506	603	373	366	262	203	233	719
2008	301	2,263	2,141	1,468	1,586	659	601	848	664	615	445	1,921	1,120
2009	1,946	1,608	3,897	2,997	3,192	1,075	885	607	2,702	4,753	5,576	7,288	3,055
2010	5,419	5,747	6,473	1,710	3,275	1,892	1,020	584	415	873	1,126	1,026	2,449
2011	1,262	1,926	4,605	2,475	1,031	805	547	537	323	747	1,795	1,757	1,482
2012	3,563	2,044	4,458	449	454	619	431	285	268	425	740	1,894	1,305
2013	3,400	5,177	3,463	2,601	4,922	2,463	3,916	2,419	1,400	1,821	1,750	6,002	3,276
2014	3,292	3,544	3,446	5,072	2,462	2,130	1,113	751	448	857	1,602	2,713	2,275

Non-Exceedance Percentiles

03150108 - Upper Tallapoosa River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	301	1,403	1,156	449	371	491	431	285	268	245	203	233	719
5th %	1,100	1,599	1,532	520	453	613	544	487	318	262	394	787	1,005
10th %	1,289	1,749	1,693	655	870	663	598	525	362	312	444	870	1,138
15th %	1,600	1,915	1,981	1,212	1,146	730	616	537	437	370	514	916	1,306
20th %	1,762	2,109	2,461	1,427	1,270	810	733	576	456	429	732	987	1,460
30th %	2,054	2,407	3,096	1,703	1,522	1,136	868	621	506	605	941	1,141	1,864
40th %	2,297	3,138	3,554	2,178	1,830	1,373	991	792	568	790	1,100	1,554	2,191
Median	2,925	3,439	3,912	2,576	1,944	1,505	1,107	837	790	881	1,519	1,825	2,408
60th %	3,335	3,737	4,647	2,821	2,406	1,812	1,364	1,016	833	1,026	1,768	2,004	2,605
70th %	3,677	4,220	5,327	3,034	2,846	2,159	1,466	1,215	1,220	1,240	2,292	2,387	2,774
80th %	4,183	4,990	6,560	4,600	3,359	2,343	2,031	1,524	1,340	1,671	2,673	2,692	2,884
90th %	4,955	7,024	8,441	5,901	4,371	2,875	3,577	2,320	1,468	2,151	3,890	5,373	3,236
Maximum	6,175	9,407	11,454	12,726	12,357	4,187	6,112	3,768	3,463	4,858	5,576	7,288	4,245
Average	2,995	3,795	4,618	3,063	2,502	1,696	1,595	1,155	968	1,253	1,801	2,247	2,300

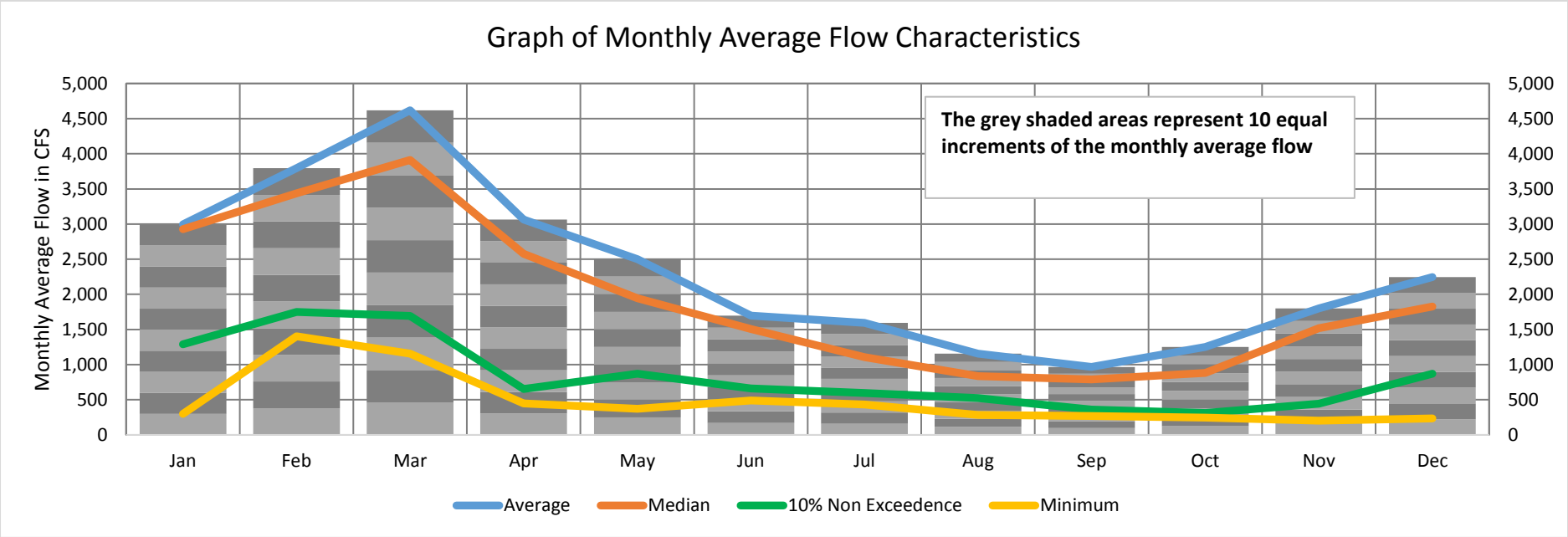
	Flows in CFS
Minimum	202.8
5th %	431
10th %	536
15th %	664
20th %	796
30th %	1,061
40th %	1,381
Median	1,729
60th %	2,152
70th %	2,672
80th %	3,479
90th %	4,864
Maximum	12,726
Average	2,307



Q10/Q50	0.31
Q10/Q90	0.11
	CFSM*
Qmin/DA	0.14
Q5/DA	0.30
Q10/DA	0.37
Q15/DA	0.46
Q20/DA	0.55
Q30/DA	0.73
Q40/DA	0.95
Q50/DA	1.19
Q60/DA	1.48
Q70/DA	1.84
Q80/DA	2.39
Q90/DA	3.35
Qmax/DA	8.75

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

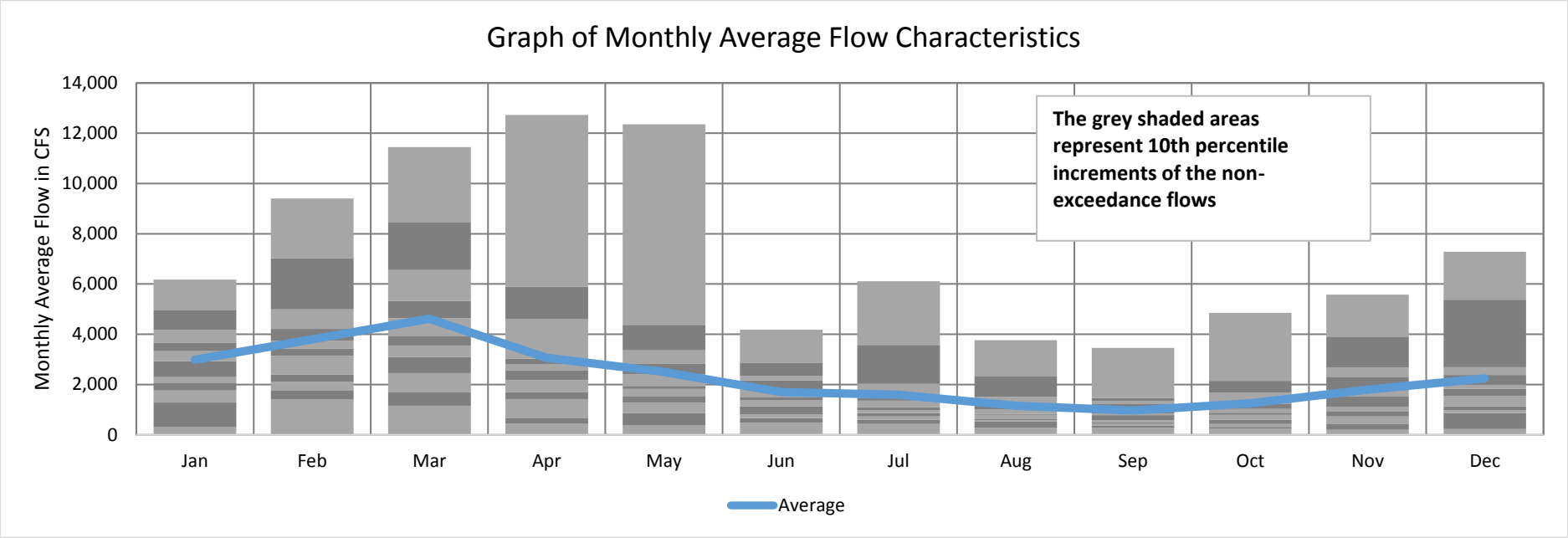
Site #: 03150108 Name: Upper Tallapoosa River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,995	3,795	4,618	3,063	2,502	1,696	1,595	1,155	968	1,253	1,801	2,247
100%	6,175	9,407	11,454	12,726	12,357	4,187	6,112	3,768	3,463	4,858	5,576	7,288
98%	5,924	8,287	10,025	8,682	6,557	4,083	5,421	3,483	2,929	4,776	5,450	7,228
95%	5,441	7,320	9,214	6,550	4,591	3,221	3,982	2,687	2,706	4,735	4,352	6,063
90%	4,955	7,024	8,441	5,901	4,371	2,875	3,577	2,320	1,468	2,151	3,890	5,373
75%	4,035	4,604	6,159	3,624	3,204	2,258	1,668	1,460	1,277	1,533	2,398	2,643
50%	2,925	3,439	3,912	2,576	1,944	1,505	1,107	837	790	881	1,519	1,825
25%	1,959	2,232	2,667	1,466	1,343	1,014	783	591	475	480	832	1,066
10%	1,289	1,749	1,693	655	870	663	598	525	362	312	444	870
5%	1,100	1,599	1,532	520	453	613	544	487	318	262	394	787
2%	683	1,421	1,272	497	414	503	482	354	295	258	268	575
0%	301	1,403	1,156	449	371	491	431	285	268	245	203	233

Site #: 03150108 Name: Upper Tallapoosa River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 1,454 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,995	3,795	4,618	3,063	2,502	1,696	1,595	1,155	968	1,253	1,801	2,247
100%	6,175	9,407	11,454	12,726	12,357	4,187	6,112	3,768	3,463	4,858	5,576	7,288
98%	5,924	8,287	10,025	8,682	6,557	4,083	5,421	3,483	2,929	4,776	5,450	7,228
95%	5,441	7,320	9,214	6,550	4,591	3,221	3,982	2,687	2,706	4,735	4,352	6,063
90%	4,955	7,024	8,441	5,901	4,371	2,875	3,577	2,320	1,468	2,151	3,890	5,373
75%	4,035	4,604	6,159	3,624	3,204	2,258	1,668	1,460	1,277	1,533	2,398	2,643
50%	2,925	3,439	3,912	2,576	1,944	1,505	1,107	837	790	881	1,519	1,825
25%	1,959	2,232	2,667	1,466	1,343	1,014	783	591	475	480	832	1,066
10%	1,289	1,749	1,693	655	870	663	598	525	362	312	444	870
5%	1,100	1,599	1,532	520	453	613	544	487	318	262	394	787
2%	683	1,421	1,272	497	414	503	482	354	295	258	268	575
0%	301	1,403	1,156	449	371	491	431	285	268	245	203	233

Monthly Flows (in CFS) for
03150109 - Middle Tallapoosa Subbasin

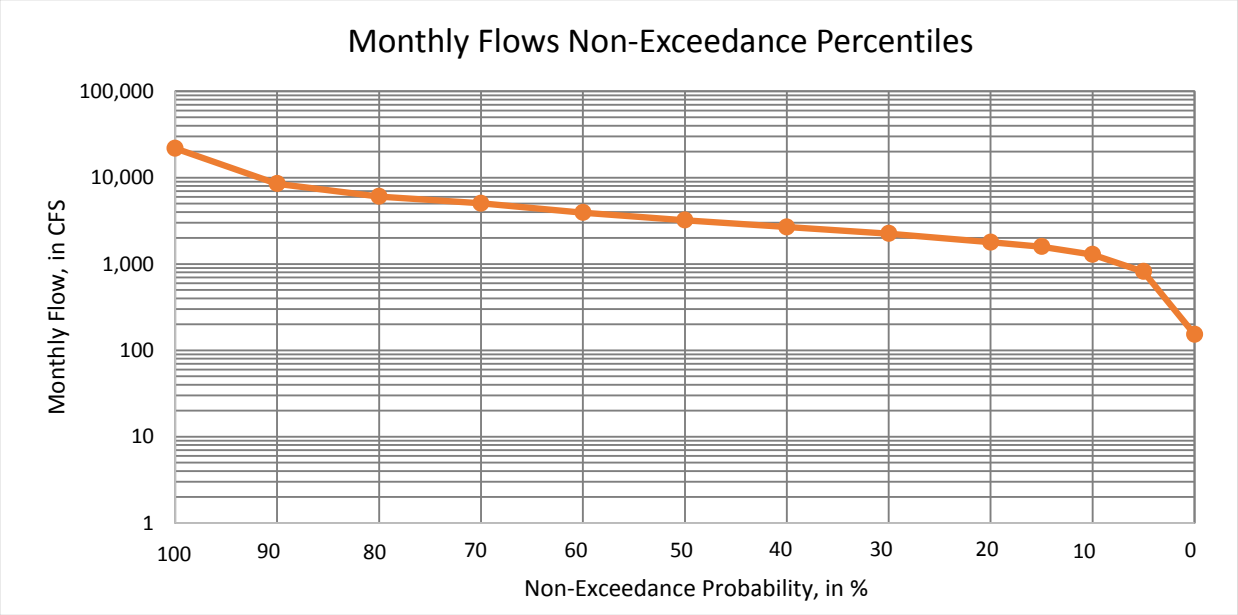
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	8,722	9,013	14,380	13,823	6,094	5,130	6,945	6,682	5,629	8,897	7,103	6,470	8,238
1976	8,221	8,372	10,228	9,560	6,694	4,237	3,695	2,574	3,244	1,492	3,227	5,450	5,566
1977	6,394	2,892	8,978	12,275	2,362	3,452	1,500	2,486	1,443	2,836	4,803	4,363	4,484
1978	5,994	7,815	5,183	564	5,613	3,862	1,994	2,283	2,010	1,180	1,954	2,792	3,416
1979	5,042	5,493	8,816	21,562	5,157	4,347	3,261	2,985	3,262	4,098	5,429	4,057	6,103
1980	5,975	6,448	11,730	11,961	8,097	3,299	2,936	1,625	1,282	1,914	3,291	3,674	5,178
1981	2,400	5,967	1,932	4,179	2,140	2,424	1,730	1,604	1,043	1,045	1,585	3,468	2,433
1982	6,653	10,765	5,220	6,866	4,476	3,195	2,862	2,878	1,212	2,294	2,408	8,674	4,758
1983	8,092	8,258	7,452	13,351	6,048	4,073	3,201	2,656	1,773	1,534	5,423	12,076	6,144
1984	9,698	8,620	5,734	3,893	6,361	2,180	2,505	9,065	2,823	1,570	3,808	4,799	5,080
1985	3,241	6,766	1,938	415	2,205	1,280	2,402	3,342	2,155	2,985	3,825	3,991	2,857
1986	1,782	2,151	416	819	1,630	1,386	2,217	1,642	860	589	2,790	5,192	1,790
1987	4,448	7,629	6,440	2,138	2,688	2,876	2,530	2,133	1,883	1,466	2,325	2,329	3,215
1988	4,292	4,617	234	153	228	2,359	620	871	2,963	3,268	5,030	3,160	2,294
1989	3,754	1,648	3,343	5,955	2,954	12,464	7,778	3,115	3,720	5,714	5,870	7,387	5,320
1990	7,226	17,251	21,818	4,511	3,706	1,801	1,957	1,933	1,352	1,138	2,321	2,999	5,607
1991	3,407	4,350	2,401	3,989	7,340	4,171	3,921	2,752	2,556	2,173	5,123	5,776	3,994
1992	6,079	6,513	5,839	2,847	2,184	3,440	2,199	3,422	3,097	3,001	8,391	11,262	4,847
1993	9,961	9,215	5,627	5,758	4,483	2,317	2,324	1,829	2,136	2,799	2,342	4,051	4,378
1994	2,796	4,598	4,364	5,388	2,639	2,824	6,418	4,971	2,851	4,138	5,030	6,487	4,377
1995	3,822	7,351	8,697	1,910	2,317	1,855	1,966	1,759	1,432	8,646	8,522	6,470	4,552
1996	5,273	13,103	11,604	4,612	2,710	2,641	1,825	2,646	2,355	3,424	3,801	5,728	4,928
1997	8,018	7,677	9,140	2,520	3,689	6,031	4,243	2,932	2,112	2,888	3,714	7,295	5,016
1998	9,607	10,577	14,773	7,696	3,770	3,117	2,294	3,385	2,552	1,716	3,323	3,397	5,490
1999	3,952	3,919	1,253	1,334	1,397	2,903	4,218	2,406	2,066	1,663	2,552	2,493	2,505
2000	2,642	1,785	816	2,350	1,451	1,680	1,833	1,746	1,589	1,593	1,317	1,994	1,733
2001	4,357	2,443	11,489	6,962	3,022	5,436	2,553	2,627	2,539	1,999	2,361	3,033	4,079
2002	4,426	3,262	1,021	535	1,757	1,353	1,535	1,883	2,086	2,953	7,391	8,490	3,058
2003	5,008	5,411	6,059	5,674	18,179	8,835	12,200	4,730	3,119	2,588	5,782	4,472	6,861
2004	3,417	5,344	944	395	1,678	2,184	2,354	2,056	5,356	3,175	7,505	7,770	3,496
2005	3,813	4,445	5,161	9,077	4,241	4,157	9,941	5,144	2,817	4,311	3,994	4,577	5,147
2006	5,632	4,921	3,128	1,894	3,152	1,212	1,430	1,613	2,160	1,637	4,863	3,355	2,904
2007	4,131	2,451	337	330	851	2,258	1,563	604	988	1,801	434	316	1,333
2008	252	184	710	2,540	2,537	1,660	1,367	800	1,861	2,183	2,783	5,259	1,854
2009	3,848	930	6,057	5,275	5,685	2,079	1,678	2,113	5,942	10,369	11,805	13,055	5,770
2010	11,688	11,723	9,613	2,785	5,250	3,039	1,320	1,445	1,685	1,616	3,421	2,641	4,649
2011	1,806	1,765	5,420	3,121	1,294	1,077	1,083	902	815	1,008	3,329	2,489	2,010
2012	5,669	3,617	3,105	666	893	1,480	805	727	781	1,327	2,887	4,635	2,213
2013	4,020	8,343	4,128	3,863	6,796	3,414	6,682	3,670	2,752	2,590	3,198	7,754	4,754
2014	8,054	5,811	4,875	11,803	5,139	3,887	1,954	1,210	1,204	2,211	3,489	4,601	4,503

Non-Exceedance Percentiles

03150109 - Middle Tallapoosa Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	252	184	234	153	228	1,077	620	604	781	589	434	316	1,333
5th %	1,805	1,612	412	391	891	1,276	1,069	797	858	1,043	1,572	2,313	1,787
10th %	2,618	1,783	805	523	1,387	1,383	1,362	899	1,038	1,176	2,284	2,493	1,995
15th %	3,174	2,399	1,009	651	1,603	1,633	1,489	1,410	1,211	1,445	2,339	2,769	2,282
20th %	3,415	2,803	1,796	1,231	1,741	1,776	1,557	1,612	1,338	1,526	2,399	3,026	2,490
30th %	3,840	4,221	3,121	2,286	2,283	2,183	1,831	1,755	1,656	1,631	2,858	3,446	3,168
40th %	4,227	4,799	4,671	2,822	2,668	2,398	1,983	2,007	1,959	1,869	3,310	4,055	4,045
Median	4,728	5,652	5,320	3,941	3,087	2,890	2,309	2,344	2,124	2,197	3,601	4,589	4,493
60th %	5,647	6,614	5,927	4,877	3,958	3,236	2,515	2,634	2,428	2,674	3,892	5,219	4,756
70th %	6,174	7,718	7,826	5,817	5,144	3,575	3,016	2,894	2,772	2,962	5,030	5,984	5,035
80th %	8,025	8,421	9,234	7,972	5,758	4,160	3,980	3,351	2,989	3,299	5,500	7,313	5,354
90th %	8,810	10,596	11,617	11,993	6,704	5,161	6,709	4,754	3,308	4,452	7,402	8,509	5,803
Maximum	11,688	17,251	21,818	21,562	18,179	12,464	12,200	9,065	5,942	10,369	11,805	13,055	8,238
Average	5,340	6,086	6,010	5,134	3,973	3,285	3,146	2,631	2,338	2,846	4,214	5,207	4,173

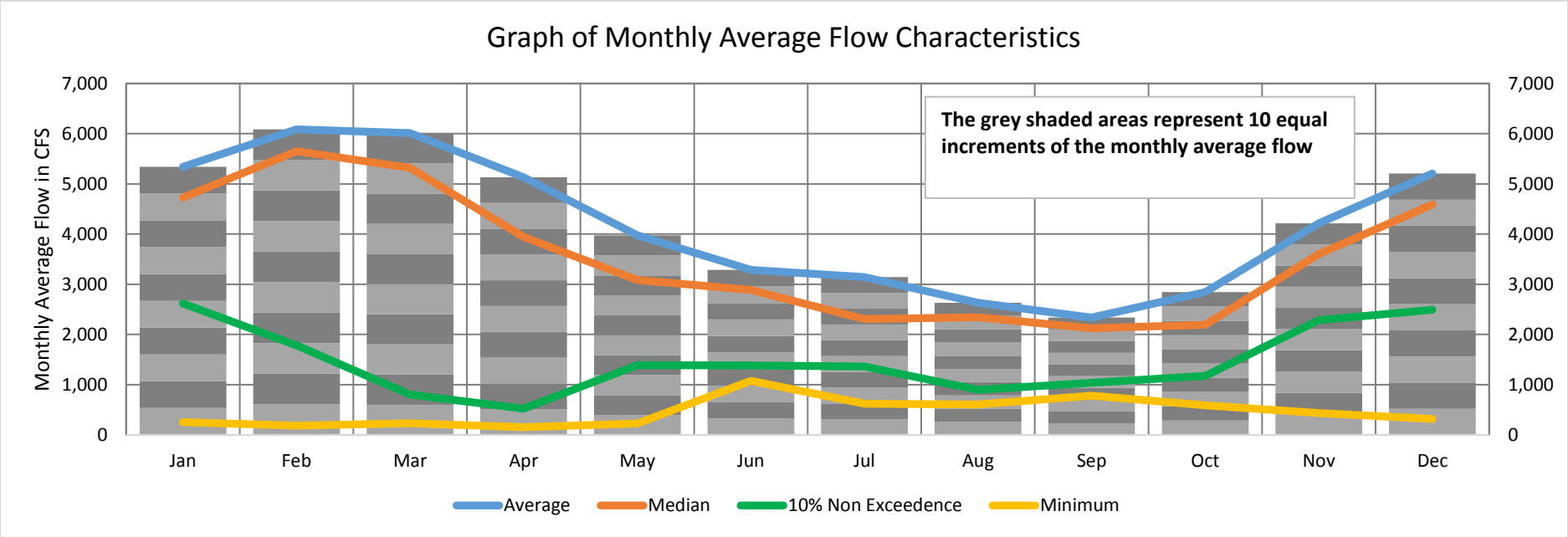
	Flows in CFS
Minimum	153.0
5th %	816
10th %	1,282
15th %	1,583
20th %	1,780
30th %	2,246
40th %	2,675
Median	3,214
60th %	3,933
70th %	5,030
80th %	6,050
90th %	8,494
Maximum	21,818
Average	4,184



Q10/Q50	0.40
Q10/Q90	0.15
	CFSM*
Qmin/DA	0.05
Q5/DA	0.27
Q10/DA	0.43
Q15/DA	0.53
Q20/DA	0.60
Q30/DA	0.75
Q40/DA	0.90
Q50/DA	1.08
Q60/DA	1.32
Q70/DA	1.69
Q80/DA	2.03
Q90/DA	2.85
Qmax/DA	7.31

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

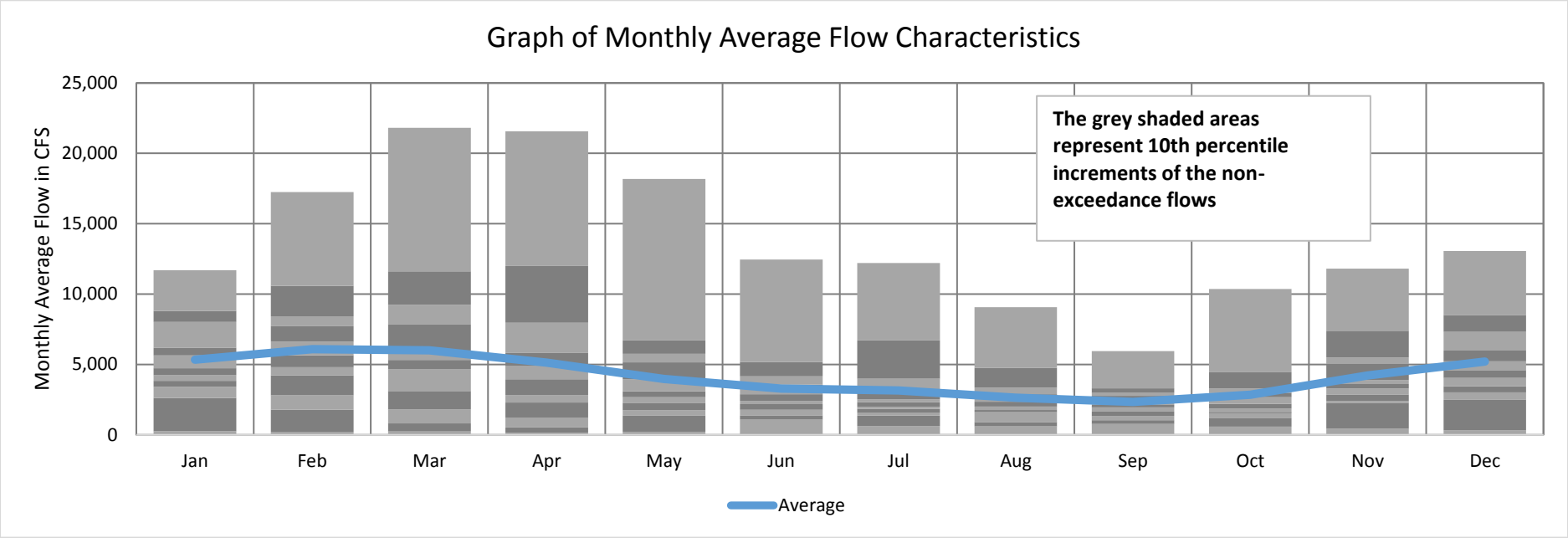
Site #: 03150109 Name: Middle Tallapoosa Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	5,340	6,086	6,010	5,134	3,973	3,285	3,146	2,631	2,338	2,846	4,214	5,207
100%	11,688	17,251	21,818	21,562	18,179	12,464	12,200	9,065	5,942	10,369	11,805	13,055
98%	10,341	14,016	16,323	15,526	10,315	9,633	10,438	7,207	5,698	9,221	9,245	12,291
95%	9,711	11,792	14,400	13,374	7,378	6,172	7,886	5,221	5,370	8,659	8,398	11,303
90%	8,810	10,596	11,617	11,993	6,704	5,161	6,709	4,754	3,308	4,452	7,402	8,509
75%	6,796	8,279	8,856	6,890	5,340	3,933	3,369	3,017	2,830	3,044	5,198	6,474
50%	4,728	5,652	5,320	3,941	3,087	2,890	2,309	2,344	2,124	2,197	3,601	4,589
25%	3,798	3,528	2,285	1,906	2,173	2,023	1,717	1,638	1,440	1,587	2,726	3,307
10%	2,618	1,783	805	523	1,387	1,383	1,362	899	1,038	1,176	2,284	2,493
5%	1,805	1,612	412	391	891	1,276	1,069	797	858	1,043	1,572	2,313
2%	1,445	766	314	291	714	1,182	764	700	807	916	1,123	1,625
0%	252	184	234	153	228	1,077	620	604	781	589	434	316

Site #: 03150109 Name: Middle Tallapoosa Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 2,984 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	5,340	6,086	6,010	5,134	3,973	3,285	3,146	2,631	2,338	2,846	4,214	5,207
100%	11,688	17,251	21,818	21,562	18,179	12,464	12,200	9,065	5,942	10,369	11,805	13,055
98%	10,341	14,016	16,323	15,526	10,315	9,633	10,438	7,207	5,698	9,221	9,245	12,291
95%	9,711	11,792	14,400	13,374	7,378	6,172	7,886	5,221	5,370	8,659	8,398	11,303
90%	8,810	10,596	11,617	11,993	6,704	5,161	6,709	4,754	3,308	4,452	7,402	8,509
75%	6,796	8,279	8,856	6,890	5,340	3,933	3,369	3,017	2,830	3,044	5,198	6,474
50%	4,728	5,652	5,320	3,941	3,087	2,890	2,309	2,344	2,124	2,197	3,601	4,589
25%	3,798	3,528	2,285	1,906	2,173	2,023	1,717	1,638	1,440	1,587	2,726	3,307
10%	2,618	1,783	805	523	1,387	1,383	1,362	899	1,038	1,176	2,284	2,493
5%	1,805	1,612	412	391	891	1,276	1,069	797	858	1,043	1,572	2,313
2%	1,445	766	314	291	714	1,182	764	700	807	916	1,123	1,625
0%	252	184	234	153	228	1,077	620	604	781	589	434	316

Monthly Flows (in CFS) for

03150110 - Lower Tallapoosa River Subbasin

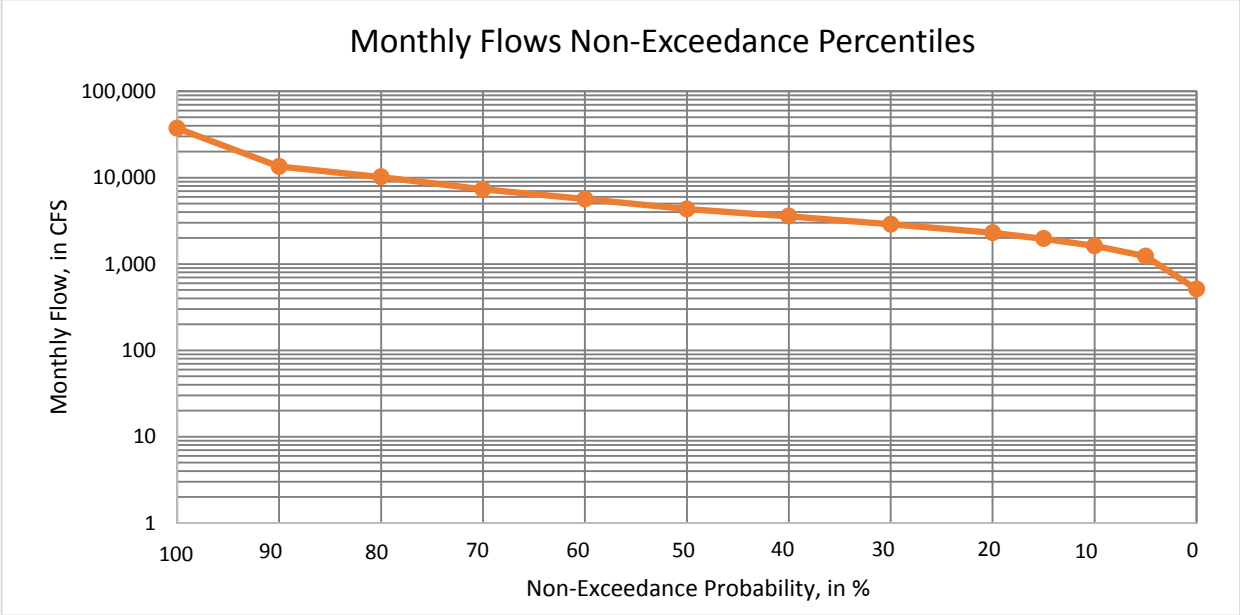
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	14,501	16,065	24,758	23,282	8,780	7,208	10,293	10,158	7,970	15,086	10,470	9,714	13,177
1976	12,980	12,688	16,651	15,037	10,715	5,887	5,164	3,294	4,111	1,901	4,918	9,092	8,514
1977	10,464	4,520	15,587	19,252	3,108	4,358	1,896	3,333	1,873	3,643	6,774	6,198	6,755
1978	11,544	11,826	8,545	1,668	10,020	5,434	2,544	3,014	2,408	1,350	2,362	3,633	5,336
1979	7,608	10,730	15,051	36,263	7,752	5,813	4,395	3,758	4,217	5,267	7,276	5,531	9,418
1980	8,732	10,122	20,975	19,536	12,873	4,482	3,738	1,916	1,494	2,334	4,190	4,746	7,916
1981	3,033	9,521	3,175	8,067	2,917	3,027	2,080	1,968	1,228	1,202	1,887	4,616	3,511
1982	9,899	17,916	7,834	11,451	6,524	4,074	3,710	3,790	1,439	2,829	3,347	14,226	7,189
1983	13,086	13,702	14,182	20,760	8,535	5,526	4,121	3,360	2,686	1,981	8,091	20,083	9,648
1984	15,479	13,235	9,961	5,846	9,229	2,761	3,138	12,563	3,464	1,865	4,826	6,374	7,382
1985	4,230	10,378	3,051	883	3,000	1,518	3,731	4,600	2,652	3,796	5,056	6,075	4,046
1986	2,904	4,515	2,961	1,357	2,013	1,639	2,640	1,911	1,029	775	4,544	7,657	2,822
1987	7,623	12,812	11,128	3,422	3,914	4,261	3,530	2,607	2,218	1,682	2,848	2,930	4,869
1988	6,398	7,514	1,204	1,012	510	2,883	1,062	1,019	3,966	4,125	7,088	4,321	3,388
1989	5,694	2,675	6,249	11,107	4,604	20,897	12,437	4,049	4,934	8,058	8,570	11,965	8,452
1990	12,680	28,065	37,324	6,615	5,267	2,258	2,396	2,298	1,556	1,296	2,815	3,771	8,765
1991	4,784	6,486	5,890	5,781	11,066	6,108	5,579	3,754	3,300	2,663	7,106	8,169	5,889
1992	10,396	11,226	9,311	4,156	2,770	4,403	2,697	4,435	3,907	3,792	14,973	17,573	7,446
1993	15,464	14,303	9,761	8,802	6,121	2,861	2,851	2,295	2,601	3,440	3,108	5,642	6,396
1994	4,435	8,113	7,104	7,645	3,526	3,701	12,973	6,730	3,678	5,650	6,982	9,469	6,668
1995	5,918	12,022	14,308	2,792	2,902	2,304	2,353	2,097	1,670	13,100	10,720	11,640	6,803
1996	11,240	20,630	22,140	7,926	3,828	3,124	2,105	2,851	3,149	3,589	4,046	7,183	7,578
1997	12,360	13,790	13,350	5,402	5,811	8,156	5,548	3,592	2,318	3,287	5,416	13,940	7,724
1998	14,830	20,450	25,010	11,180	4,691	3,327	2,351	3,068	2,794	2,844	2,801	3,596	8,010
1999	5,596	7,584	4,067	2,079	1,636	4,549	6,040	2,527	2,034	2,363	2,624	3,088	3,660
2000	3,979	2,770	2,897	5,425	1,543	1,758	1,792	1,685	1,736	1,587	1,765	3,264	2,513
2001	6,096	4,485	25,230	12,390	4,050	6,556	3,591	3,024	2,648	2,034	2,489	3,387	6,350
2002	5,426	4,441	3,652	2,071	2,032	1,561	1,615	1,973	2,145	2,950	8,236	10,300	3,866
2003	6,369	9,346	12,130	11,590	23,340	12,330	16,470	7,593	4,361	3,678	7,051	6,727	10,102
2004	5,554	9,583	2,205	1,346	2,625	2,896	3,144	2,569	7,682	3,909	10,200	10,360	5,133
2005	5,656	8,277	11,910	19,780	6,017	6,236	14,640	8,742	3,780	2,827	4,225	5,585	8,134
2006	7,058	8,236	7,175	2,592	3,820	1,380	1,387	1,614	2,126	1,542	5,894	3,853	3,864
2007	6,985	4,314	2,748	1,161	918	2,089	1,566	671	1,130	2,048	609	546	2,056
2008	1,227	2,458	2,380	3,944	2,683	1,658	1,544	3,170	2,090	2,370	2,933	7,431	2,829
2009	6,420	1,992	14,050	12,110	11,580	4,125	2,179	2,548	7,181	13,370	18,480	25,860	10,052
2010	19,350	18,110	16,500	3,696	6,922	3,698	1,513	1,743	1,816	1,745	3,375	3,111	6,745
2011	2,224	3,377	9,374	4,678	1,818	1,396	1,471	921	853	758	3,096	2,904	2,736
2012	6,961	5,826	4,537	1,181	1,347	1,590	824	695	688	1,072	2,904	5,074	2,712
2013	5,433	18,740	8,012	6,279	9,228	5,163	10,660	5,055	2,899	3,353	4,178	11,380	7,471
2014	11,550	8,852	7,655	19,790	7,387	5,256	2,597	1,662	1,510	2,795	4,513	6,287	6,624

Non-Exceedance Percentiles

03150110 - Lower Tallapoosa River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	1,227	1,992	1,204	883	510	1,380	824	671	688	758	609	546	2,056
5th %	2,870	2,664	2,371	1,154	1,326	1,512	1,371	910	1,020	1,057	1,881	2,929	2,702
10th %	3,884	3,316	2,882	1,330	1,627	1,587	1,509	1,554	1,218	1,286	2,476	3,109	2,814
15th %	4,404	4,422	3,038	1,621	1,984	1,655	1,563	1,682	1,486	1,513	2,774	3,369	3,304
20th %	5,298	4,509	3,557	2,077	2,506	2,023	1,757	1,877	1,547	1,663	2,841	3,626	3,630
30th %	5,638	7,206	6,141	3,614	2,913	2,831	2,157	2,060	1,856	1,957	3,104	4,528	4,622
40th %	6,260	8,261	7,762	5,112	3,702	3,085	2,485	2,540	2,137	2,351	4,125	5,563	6,166
Median	6,973	9,552	9,343	6,062	4,327	3,887	2,774	2,932	2,505	2,811	4,528	6,242	6,707
60th %	8,067	10,929	11,441	7,982	5,893	4,376	3,554	3,220	2,729	3,085	5,200	7,282	7,266
70th %	10,697	12,725	14,090	11,261	7,062	5,191	3,853	3,641	3,349	3,605	7,002	9,205	7,622
80th %	12,424	13,893	15,769	12,919	8,870	5,828	5,554	4,127	3,919	3,819	7,439	10,564	8,198
90th %	14,534	18,173	22,402	19,781	10,750	6,621	10,838	6,817	4,418	5,891	10,227	13,969	9,441
Maximum	19,350	28,065	37,324	36,263	23,340	20,897	16,470	12,563	7,970	15,086	18,480	25,860	13,177
Average	8,304	10,292	11,001	8,734	5,686	4,456	4,359	3,466	2,884	3,599	5,570	7,683	6,314

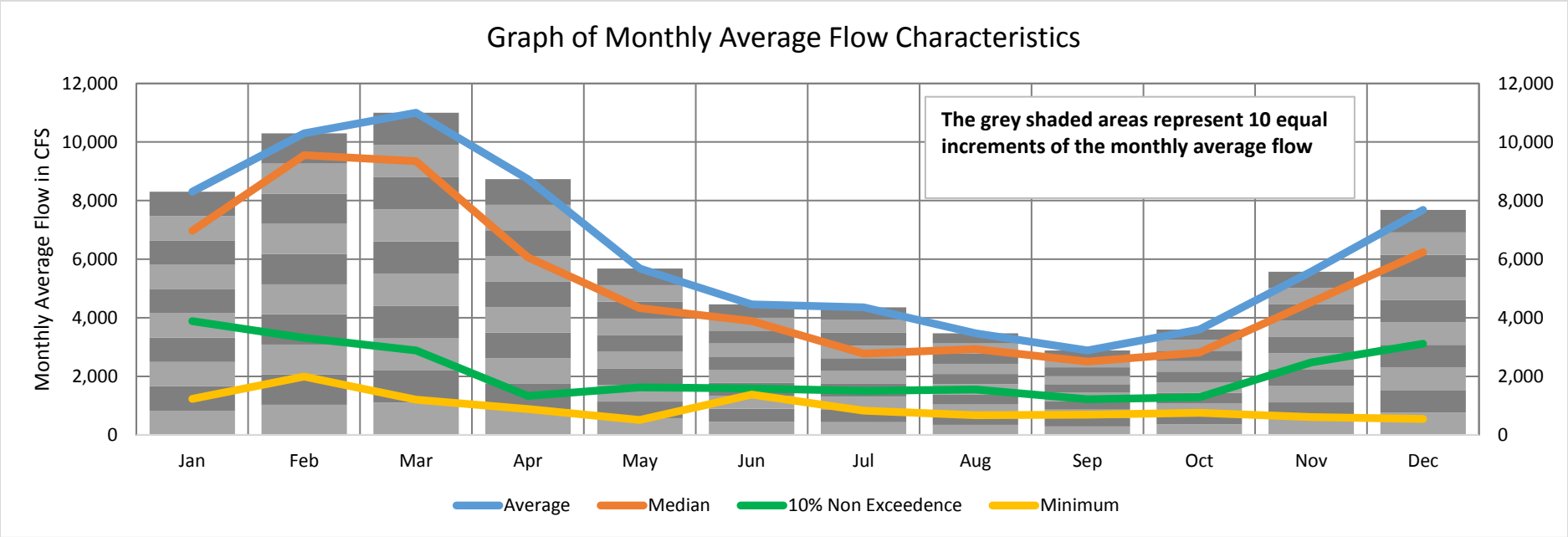
	Flows in CFS
Minimum	509.7
5th %	1,228
10th %	1,615
15th %	1,960
20th %	2,298
30th %	2,876
40th %	3,565
Median	4,318
60th %	5,645
70th %	7,309
80th %	10,129
90th %	13,403
Maximum	37,324
Average	6,336



Q10/Q50	0.37
Q10/Q90	0.12
	CFSM*
Qmin/DA	0.11
Q5/DA	0.26
Q10/DA	0.35
Q15/DA	0.42
Q20/DA	0.49
Q30/DA	0.62
Q40/DA	0.77
Q50/DA	0.93
Q60/DA	1.22
Q70/DA	1.57
Q80/DA	2.18
Q90/DA	2.88
Qmax/DA	8.03

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

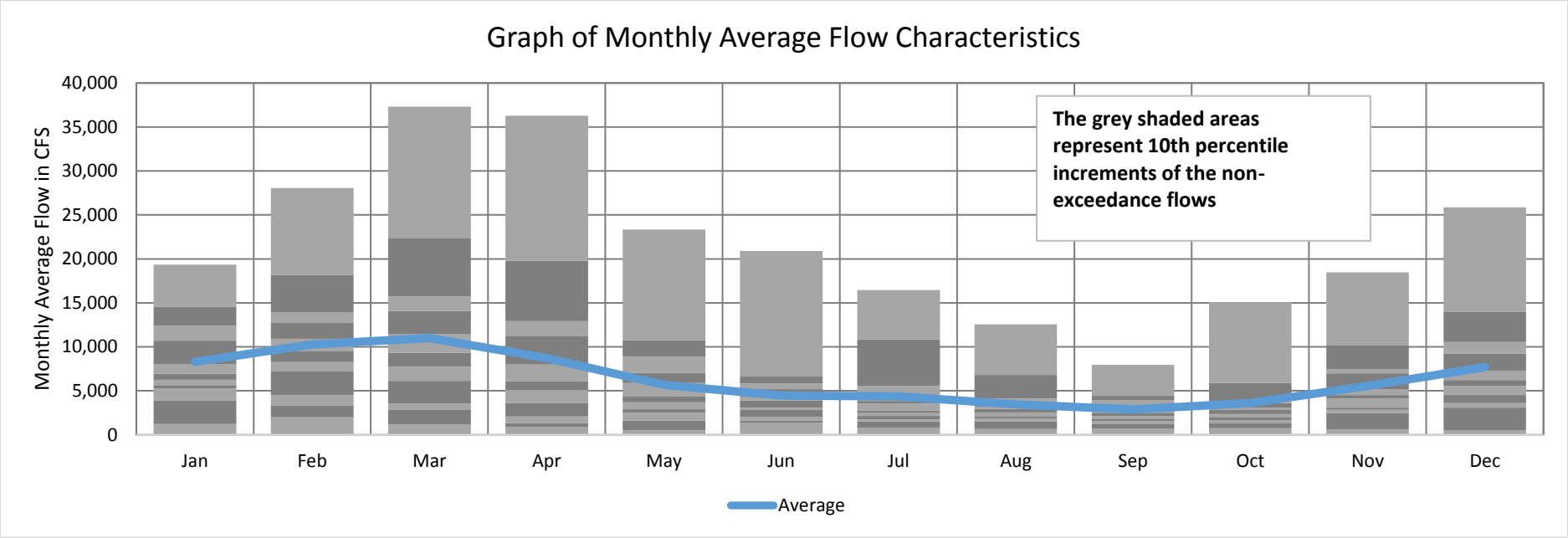
Site #: 03150110 Name: Lower Tallapoosa River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	8,304	10,292	11,001	8,734	5,686	4,456	4,359	3,466	2,884	3,599	5,570	7,683
100%	19,350	28,065	37,324	36,263	23,340	20,897	16,470	12,563	7,970	15,086	18,480	25,860
98%	16,330	22,266	27,891	26,138	15,175	14,215	15,043	10,687	7,745	13,748	15,744	21,354
95%	15,464	20,459	25,021	20,886	11,645	8,365	13,056	8,813	7,206	13,114	10,933	17,699
90%	14,534	18,173	22,402	19,781	10,750	6,621	10,838	6,817	4,418	5,891	10,227	13,969
75%	11,546	13,352	14,494	11,720	7,948	5,457	4,587	3,766	3,704	3,706	7,092	9,861
50%	6,973	9,552	9,343	6,062	4,327	3,887	2,774	2,932	2,505	2,811	4,528	6,242
25%	5,524	5,499	4,420	2,742	2,748	2,292	2,034	1,955	1,719	1,835	2,926	3,833
10%	3,884	3,316	2,882	1,330	1,627	1,587	1,509	1,554	1,218	1,286	2,476	3,109
5%	2,870	2,664	2,371	1,154	1,326	1,512	1,371	910	1,020	1,057	1,881	2,929
2%	2,005	2,355	1,985	983	828	1,392	1,010	690	817	771	1,511	2,385
0%	1,227	1,992	1,204	883	510	1,380	824	671	688	758	609	546

Site #: 03150110 Name: Lower Tallapoosa River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 4,646 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	8,304	10,292	11,001	8,734	5,686	4,456	4,359	3,466	2,884	3,599	5,570	7,683
100%	19,350	28,065	37,324	36,263	23,340	20,897	16,470	12,563	7,970	15,086	18,480	25,860
98%	16,330	22,266	27,891	26,138	15,175	14,215	15,043	10,687	7,745	13,748	15,744	21,354
95%	15,464	20,459	25,021	20,886	11,645	8,365	13,056	8,813	7,206	13,114	10,933	17,699
90%	14,534	18,173	22,402	19,781	10,750	6,621	10,838	6,817	4,418	5,891	10,227	13,969
75%	11,546	13,352	14,494	11,720	7,948	5,457	4,587	3,766	3,704	3,706	7,092	9,861
50%	6,973	9,552	9,343	6,062	4,327	3,887	2,774	2,932	2,505	2,811	4,528	6,242
25%	5,524	5,499	4,420	2,742	2,748	2,292	2,034	1,955	1,719	1,835	2,926	3,833
10%	3,884	3,316	2,882	1,330	1,627	1,587	1,509	1,554	1,218	1,286	2,476	3,109
5%	2,870	2,664	2,371	1,154	1,326	1,512	1,371	910	1,020	1,057	1,881	2,929
2%	2,005	2,355	1,985	983	828	1,392	1,010	690	817	771	1,511	2,385
0%	1,227	1,992	1,204	883	510	1,380	824	671	688	758	609	546

Monthly Flows (in CFS) for
03150201 - Upper Alabama River Subbasin

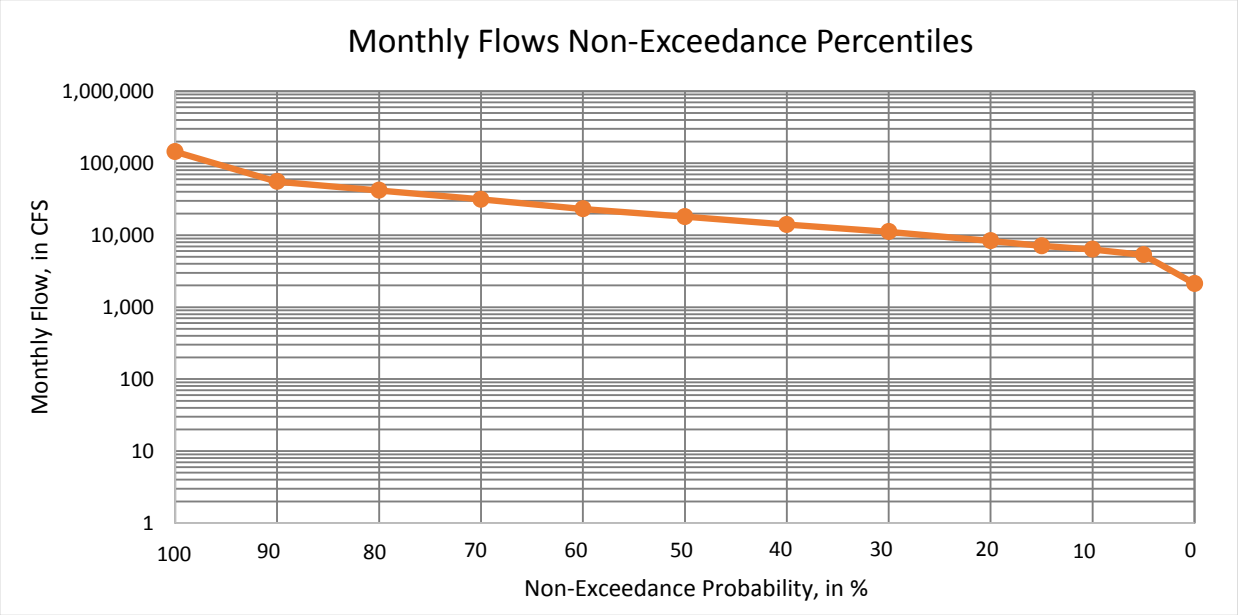
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	54,619	72,313	74,284	56,009	25,633	20,142	25,326	26,271	34,224	46,518	28,003	31,193	41,028
1976	55,815	36,184	90,440	61,432	35,409	20,062	23,537	11,517	9,926	7,172	13,317	28,265	32,800
1977	37,437	21,999	73,293	90,189	14,946	10,936	6,321	7,982	9,825	18,991	39,283	22,546	29,452
1978	59,370	26,556	35,888	15,049	48,523	17,624	7,716	10,679	8,317	4,905	8,405	18,079	21,823
1979	45,002	46,427	92,035	144,434	35,284	25,428	20,313	11,824	23,514	26,784	31,934	20,221	43,437
1980	47,213	44,592	114,583	91,636	48,523	16,462	11,107	7,024	11,562	8,285	14,479	14,240	35,762
1981	6,171	47,714	25,098	42,074	8,664	14,627	8,702	6,183	6,472	5,172	6,868	17,362	15,987
1982	55,040	80,607	39,306	55,644	25,895	14,433	12,326	13,374	6,105	7,853	14,673	66,434	32,355
1983	38,873	53,753	53,422	75,469	36,822	17,840	10,647	6,704	9,109	7,825	28,083	84,299	35,114
1984	60,669	40,103	39,363	36,298	45,151	12,121	15,060	37,335	9,621	10,221	13,659	20,654	28,372
1985	15,299	52,727	18,193	11,585	15,254	7,350	16,530	13,875	7,047	11,186	13,260	18,638	16,526
1986	9,909	17,213	19,982	6,705	4,841	4,650	5,178	4,668	4,194	4,025	21,851	28,356	10,931
1987	43,818	44,387	58,276	18,057	10,773	12,462	11,346	5,745	5,809	5,517	5,714	8,991	19,130
1988	27,593	23,001	11,562	11,505	6,270	5,497	4,197	4,305	16,405	9,817	20,951	13,898	12,827
1989	35,796	23,309	54,414	40,491	17,555	67,095	43,612	12,873	14,696	33,415	32,287	37,768	34,488
1990	64,053	114,697	121,647	26,249	19,686	9,497	8,715	7,042	5,851	10,597	10,575	22,138	34,649
1991	25,700	35,066	42,938	36,816	48,663	19,228	13,463	10,131	10,680	8,977	13,662	23,171	23,994
1992	33,508	39,455	43,669	21,486	9,869	15,575	11,359	15,829	18,067	11,857	52,336	57,791	27,477
1993	73,725	35,146	49,855	30,725	19,514	10,985	8,947	6,711	6,003	4,804	8,476	15,974	22,562
1994	25,429	39,869	50,523	60,112	15,397	13,332	23,076	14,835	15,696	26,034	16,588	38,612	28,217
1995	27,751	55,437	56,853	16,329	11,911	8,624	7,100	6,275	6,975	46,707	46,802	32,045	26,745
1996	55,708	73,979	79,020	33,206	17,240	14,492	9,487	10,195	12,321	11,132	18,862	31,377	30,347
1997	48,058	44,973	57,727	32,108	35,162	40,187	15,164	11,954	9,168	21,533	24,348	27,322	30,570
1998	55,183	78,337	64,247	58,872	23,935	14,336	9,471	9,659	6,813	6,021	9,052	17,192	29,103
1999	36,911	40,728	31,759	14,982	18,289	18,639	23,744	7,840	6,396	6,415	10,416	9,155	18,660
2000	13,536	12,257	24,364	59,492	10,133	5,551	5,146	5,625	5,316	5,730	11,117	10,044	13,971
2001	22,694	30,057	68,270	33,508	12,049	22,169	14,237	11,640	13,301	8,038	10,232	18,820	22,044
2002	30,533	23,719	21,110	21,611	18,604	8,129	7,993	7,310	11,642	14,069	35,603	55,393	21,312
2003	26,146	46,427	56,510	35,170	89,984	41,288	53,172	24,540	13,032	11,653	20,073	22,865	36,761
2004	24,232	42,872	17,681	11,220	13,989	14,468	14,411	10,160	30,134	16,006	48,352	50,619	24,344
2005	21,554	35,158	43,920	61,033	20,495	22,136	44,399	21,919	10,595	9,336	12,291	21,156	26,938
2006	30,760	35,010	30,624	17,874	17,065	8,051	6,351	7,783	6,382	8,559	21,315	13,932	16,866
2007	26,476	15,653	11,483	6,556	5,606	5,041	4,661	4,550	4,559	3,662	2,276	2,122	7,689
2008	6,456	20,142	23,845	17,259	15,413	6,265	5,124	14,263	7,381	6,720	7,649	31,376	13,478
2009	43,088	13,636	53,776	41,892	43,852	11,859	7,130	8,058	31,079	51,759	58,572	78,260	37,116
2010	52,488	60,862	54,972	20,780	25,086	13,944	7,026	6,658	4,985	4,774	7,555	11,779	22,379
2011	13,043	18,364	52,385	35,420	9,681	5,845	6,545	5,479	7,506	5,213	11,836	26,283	16,466
2012	32,709	22,831	30,179	8,313	7,436	5,491	4,659	6,372	5,462	6,743	7,496	22,056	13,306
2013	45,002	67,824	37,414	37,870	57,934	21,657	37,414	23,172	13,021	13,169	15,197	56,966	35,437
2014	44,011	42,314	36,309	62,252	23,469	19,561	10,128	6,424	6,709	11,665	16,348	29,291	25,564

Non-Exceedance Percentiles

03150201 - Upper Alabama River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	6,171	12,257	11,483	6,556	4,841	4,650	4,197	4,305	4,194	3,662	2,276	2,122	7,689
5th %	9,736	15,552	17,375	8,232	6,237	5,468	4,661	4,662	4,963	4,737	6,810	9,147	12,732
10th %	13,487	18,249	19,803	11,477	8,541	5,546	5,144	5,610	5,448	4,895	7,549	11,605	13,461
15th %	20,616	21,720	23,434	14,472	9,841	6,202	6,150	6,118	5,844	5,206	8,292	13,927	15,684
20th %	23,924	22,967	24,951	16,073	10,645	7,911	6,506	6,353	6,084	5,687	8,936	15,627	16,514
30th %	26,377	29,007	34,649	19,963	14,659	10,504	7,540	6,709	6,638	6,736	10,955	18,470	20,658
40th %	30,669	35,153	39,340	28,934	16,405	12,326	8,854	7,594	7,247	7,964	13,294	20,955	22,489
Median	36,354	39,986	46,888	34,339	18,446	14,385	10,388	8,858	9,138	9,156	14,576	22,705	26,155
60th %	43,380	43,478	53,564	37,237	21,684	15,006	11,746	10,389	10,194	10,811	17,497	27,699	28,279
70th %	45,666	46,427	56,613	46,145	25,712	18,080	14,606	11,863	11,846	11,722	21,476	31,248	30,414
80th %	54,703	54,090	65,052	59,616	35,692	20,078	20,865	13,953	13,580	16,603	28,853	37,937	34,520
90th %	56,170	72,480	80,162	63,574	48,523	22,495	26,535	22,044	18,611	27,447	40,035	57,048	35,862
Maximum	73,725	114,697	121,647	144,434	89,984	67,095	53,172	37,335	34,224	51,759	58,572	84,299	43,437
Average	36,784	41,892	49,030	38,943	24,250	16,077	14,521	11,120	11,147	13,471	19,745	28,917	25,401

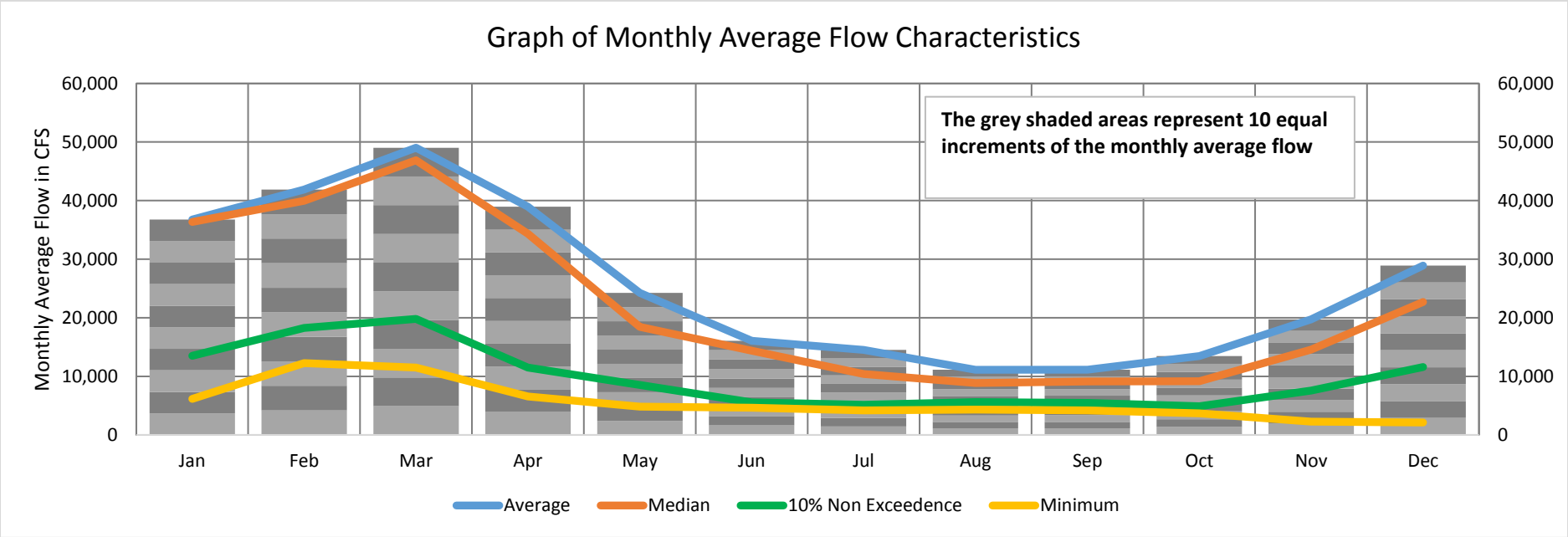
	Flows in CFS
Minimum	2,121.5
5th %	5,311
10th %	6,348
15th %	7,092
20th %	8,316
30th %	11,170
40th %	14,037
Median	18,062
60th %	23,172
70th %	31,491
80th %	41,928
90th %	55,398
Maximum	144,434
Average	25,492



Q10/Q50	0.35
Q10/Q90	0.11
	CFSM*
Qmin/DA	0.12
Q5/DA	0.31
Q10/DA	0.37
Q15/DA	0.41
Q20/DA	0.49
Q30/DA	0.65
Q40/DA	0.82
Q50/DA	1.06
Q60/DA	1.36
Q70/DA	1.84
Q80/DA	2.45
Q90/DA	3.24
Qmax/DA	8.45

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

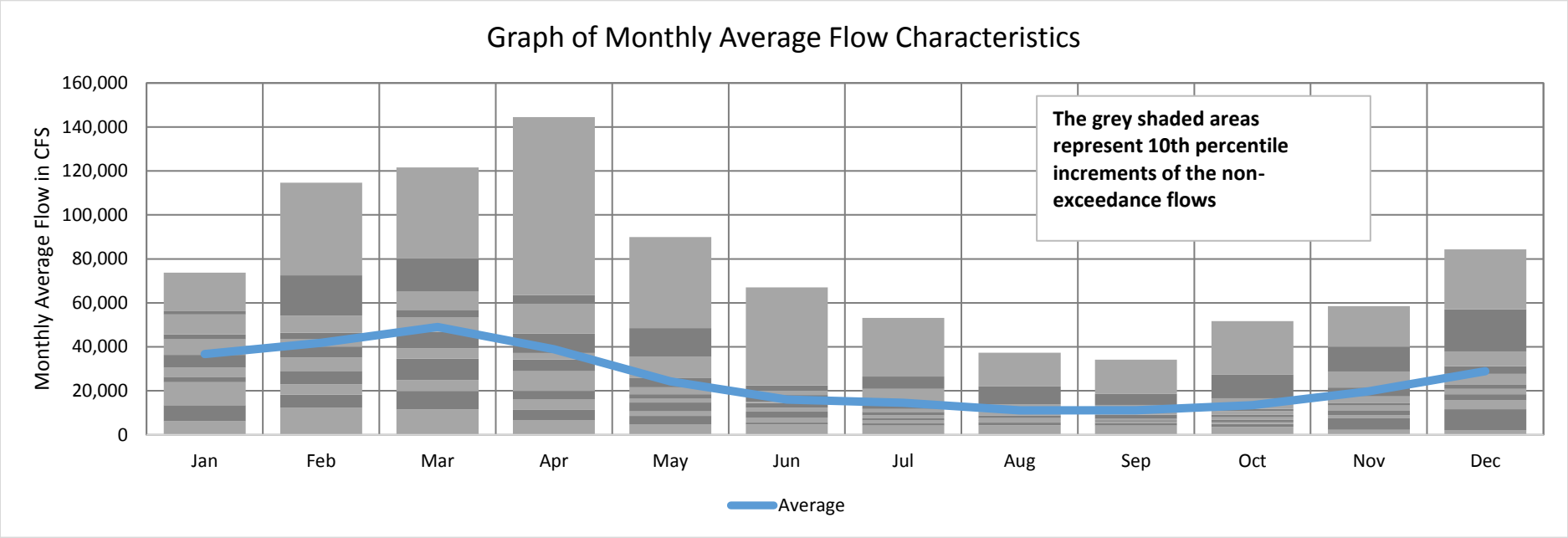
Site #: 03150201 Name: Upper Alabama River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	36,784	41,892	49,030	38,943	24,250	16,077	14,521	11,120	11,147	13,471	19,745	28,917
100%	73,725	114,697	121,647	144,434	89,984	67,095	53,172	37,335	34,224	51,759	58,572	84,299
98%	66,180	88,107	116,137	103,252	64,985	46,966	46,329	28,705	31,771	47,818	53,708	79,589
95%	60,838	78,450	93,163	90,262	49,126	40,242	43,652	24,626	30,181	46,527	48,551	67,025
90%	56,170	72,480	80,162	63,574	48,523	22,495	26,535	22,044	18,611	27,447	40,035	57,048
75%	49,166	48,967	57,864	56,725	35,192	19,311	15,506	12,998	13,024	13,394	25,262	31,544
50%	36,354	39,986	46,888	34,339	18,446	14,385	10,388	8,858	9,138	9,156	14,576	22,705
25%	25,632	23,617	30,513	17,721	12,015	8,500	7,082	6,600	6,392	6,316	10,370	17,319
10%	13,487	18,249	19,803	11,477	8,541	5,546	5,144	5,610	5,448	4,895	7,549	11,605
5%	9,736	15,552	17,375	8,232	6,237	5,468	4,661	4,662	4,963	4,737	6,810	9,147
2%	6,393	13,333	11,545	6,672	5,438	4,955	4,557	4,496	4,478	3,945	4,958	7,480
0%	6,171	12,257	11,483	6,556	4,841	4,650	4,197	4,305	4,194	3,662	2,276	2,122

Site #: 03150201 Name: Upper Alabama River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 17,095 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	36,784	41,892	49,030	38,943	24,250	16,077	14,521	11,120	11,147	13,471	19,745	28,917
100%	73,725	114,697	121,647	144,434	89,984	67,095	53,172	37,335	34,224	51,759	58,572	84,299
98%	66,180	88,107	116,137	103,252	64,985	46,966	46,329	28,705	31,771	47,818	53,708	79,589
95%	60,838	78,450	93,163	90,262	49,126	40,242	43,652	24,626	30,181	46,527	48,551	67,025
90%	56,170	72,480	80,162	63,574	48,523	22,495	26,535	22,044	18,611	27,447	40,035	57,048
75%	49,166	48,967	57,864	56,725	35,192	19,311	15,506	12,998	13,024	13,394	25,262	31,544
50%	36,354	39,986	46,888	34,339	18,446	14,385	10,388	8,858	9,138	9,156	14,576	22,705
25%	25,632	23,617	30,513	17,721	12,015	8,500	7,082	6,600	6,392	6,316	10,370	17,319
10%	13,487	18,249	19,803	11,477	8,541	5,546	5,144	5,610	5,448	4,895	7,549	11,605
5%	9,736	15,552	17,375	8,232	6,237	5,468	4,661	4,662	4,963	4,737	6,810	9,147
2%	6,393	13,333	11,545	6,672	5,438	4,955	4,557	4,496	4,478	3,945	4,958	7,480
0%	6,171	12,257	11,483	6,556	4,841	4,650	4,197	4,305	4,194	3,662	2,276	2,122

Monthly Flows (in CFS) for
03150202 - Cahaba River Basin Subbasin

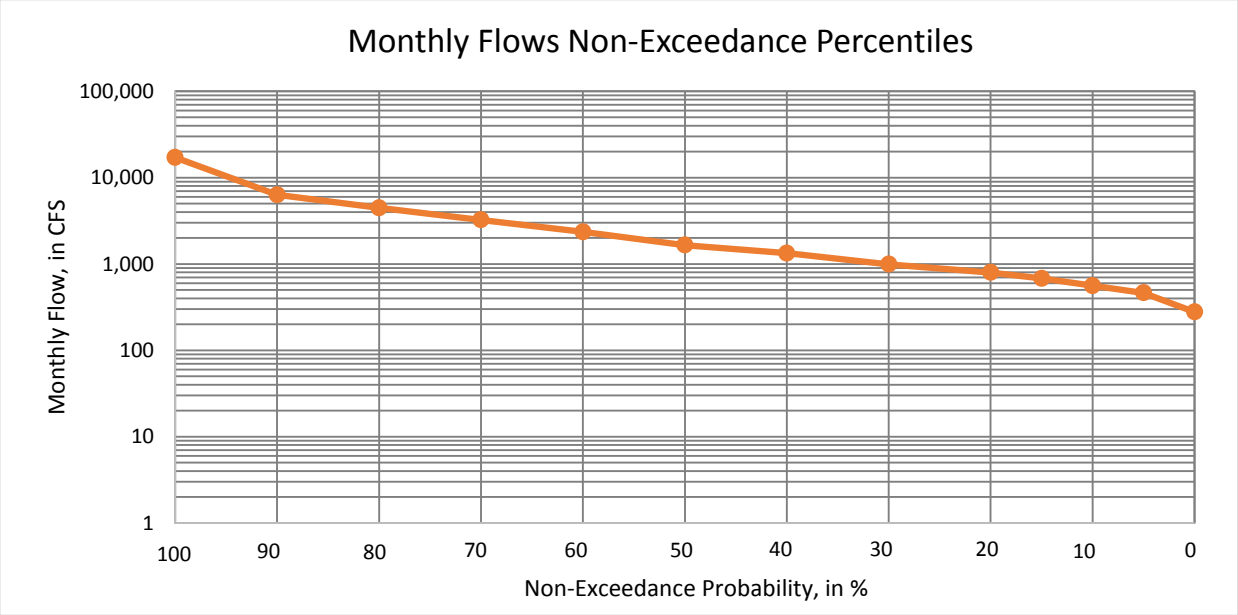
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	7,921	8,927	7,009	7,680	2,492	1,453	2,031	2,656	1,698	3,152	1,699	2,772	4,096
1976	7,639	3,197	13,770	8,485	6,574	1,846	1,176	1,369	1,235	703	961	2,238	4,117
1977	4,602	3,515	11,720	11,990	1,160	746	847	756	1,234	3,226	3,115	2,284	3,763
1978	5,570	2,738	3,869	2,211	5,084	2,892	757	683	517	451	490	1,197	2,208
1979	4,128	4,900	9,517	17,100	2,760	1,530	1,495	1,090	2,031	1,653	2,165	1,425	4,126
1980	4,432	4,102	14,970	9,779	4,274	1,441	903	716	606	1,212	1,196	936	3,716
1981	816	4,442	3,262	5,626	1,030	1,043	668	685	518	547	485	1,166	1,666
1982	5,378	7,577	3,609	6,280	2,403	1,790	1,182	1,142	520	630	950	7,726	3,240
1983	3,605	9,388	7,557	12,330	6,478	2,303	1,478	873	979	737	2,704	10,360	4,866
1984	5,673	3,333	4,327	4,693	3,991	1,080	976	1,525	659	1,234	1,452	2,943	2,659
1985	1,752	6,521	3,155	1,979	1,488	802	1,404	1,355	584	888	997	1,644	1,851
1986	1,016	1,598	1,496	645	878	621	462	450	519	632	3,609	4,089	1,332
1987	7,020	4,566	6,193	2,472	1,275	1,286	1,013	449	551	341	550	807	2,202
1988	2,880	2,534	1,363	1,563	690	348	636	388	1,218	791	2,011	1,470	1,315
1989	4,143	2,265	6,294	5,008	1,348	4,167	6,070	1,007	849	954	1,656	3,216	3,090
1990	9,570	15,960	8,629	2,943	2,337	1,048	965	556	445	468	636	1,458	3,678
1991	2,081	5,909	4,995	3,412	7,528	3,385	1,861	895	984	625	1,211	1,657	2,861
1992	2,751	5,057	3,142	2,241	878	701	722	1,169	2,010	680	4,131	5,122	2,363
1993	8,540	3,880	4,415	3,138	2,252	903	753	938	757	527	1,500	1,720	2,441
1994	2,796	4,243	6,059	4,710	1,433	1,245	2,445	1,029	1,306	1,736	1,237	3,565	2,643
1995	2,939	6,137	7,419	3,249	1,540	800	567	531	591	3,394	4,192	4,027	2,931
1996	5,549	8,619	8,924	3,783	1,590	1,292	1,561	1,332	1,007	982	1,334	2,171	3,148
1997	5,371	4,577	6,169	3,053	1,877	4,407	2,408	1,114	664	979	1,450	3,232	2,934
1998	10,450	8,574	8,127	3,922	1,639	1,216	1,101	1,019	1,270	867	1,072	1,522	3,372
1999	3,602	6,039	4,989	2,465	1,205	2,246	2,835	610	473	860	808	1,123	2,249
2000	2,159	1,324	4,538	6,621	850	654	410	510	305	302	838	831	1,609
2001	1,811	3,426	9,632	5,180	937	2,041	799	981	3,279	809	726	2,970	2,709
2002	5,161	3,531	3,529	1,830	1,334	637	866	433	1,640	1,494	3,079	5,496	2,417
2003	2,478	6,115	5,496	5,103	9,466	5,504	5,580	2,348	1,125	950	1,574	1,472	3,923
2004	2,514	5,847	2,619	2,082	1,622	1,068	991	736	3,096	871	5,588	4,242	2,576
2005	1,925	4,979	5,265	8,040	1,944	4,706	6,661	2,062	1,527	831	917	1,967	3,385
2006	3,874	5,913	4,818	2,334	2,406	625	535	561	525	701	1,399	1,347	2,064
2007	3,380	2,264	1,333	887	461	304	440	278	430	306	323	408	895
2008	838	2,937	2,281	2,432	2,228	688	399	1,453	566	343	313	1,495	1,321
2009	3,425	1,360	8,851	4,523	3,835	1,331	954	1,033	6,530	4,446	6,445	8,729	4,308
2010	5,952	7,300	8,513	2,462	2,358	1,606	762	853	513	506	886	1,322	2,730
2011	1,821	2,565	8,649	3,849	959	634	718	402	1,565	441	765	2,301	2,055
2012	4,042	3,153	5,505	1,573	886	491	504	1,617	2,073	990	610	2,900	2,029
2013	5,324	8,671	4,278	3,726	2,972	1,385	2,049	1,950	657	584	769	4,095	3,007
2014	2,841	4,005	4,900	8,955	2,769	1,682	817	535	557	702	1,228	2,839	2,636

Non-Exceedance Percentiles

03150202 - Cahaba River Basin Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	816	1,324	1,333	645	461	304	399	278	305	302	313	408	895
5th %	1,007	1,586	1,489	1,529	842	484	439	401	445	339	476	830	1,321
10th %	1,805	2,265	2,585	1,804	878	625	499	447	509	431	544	1,104	1,581
15th %	1,909	2,560	3,153	2,067	930	637	562	501	518	465	632	1,192	1,823
20th %	2,143	2,897	3,476	2,235	1,016	681	662	534	520	523	758	1,342	2,050
30th %	2,783	3,398	4,312	2,464	1,316	801	756	661	563	629	871	1,471	2,237
40th %	3,204	3,955	4,867	3,104	1,519	1,060	835	748	636	702	983	1,652	2,522
Median	3,740	4,504	5,381	3,755	1,758	1,266	960	916	803	800	1,220	2,205	2,684
60th %	4,259	5,010	6,179	4,591	2,286	1,407	1,048	1,023	1,054	869	1,419	2,799	2,932
70th %	5,338	5,951	7,460	5,126	2,432	1,629	1,426	1,122	1,246	961	1,599	3,044	3,176
80th %	5,591	6,677	8,633	6,833	3,145	2,082	1,895	1,358	1,580	1,216	2,273	4,039	3,686
90th %	7,667	8,624	9,529	9,037	5,223	3,463	2,484	1,650	2,035	1,878	3,661	5,159	4,098
Maximum	10,450	15,960	14,970	17,100	9,466	5,504	6,661	2,656	6,530	4,446	6,445	10,360	4,866
Average	4,194	5,050	6,030	4,759	2,481	1,599	1,470	1,002	1,190	1,064	1,677	2,807	2,763

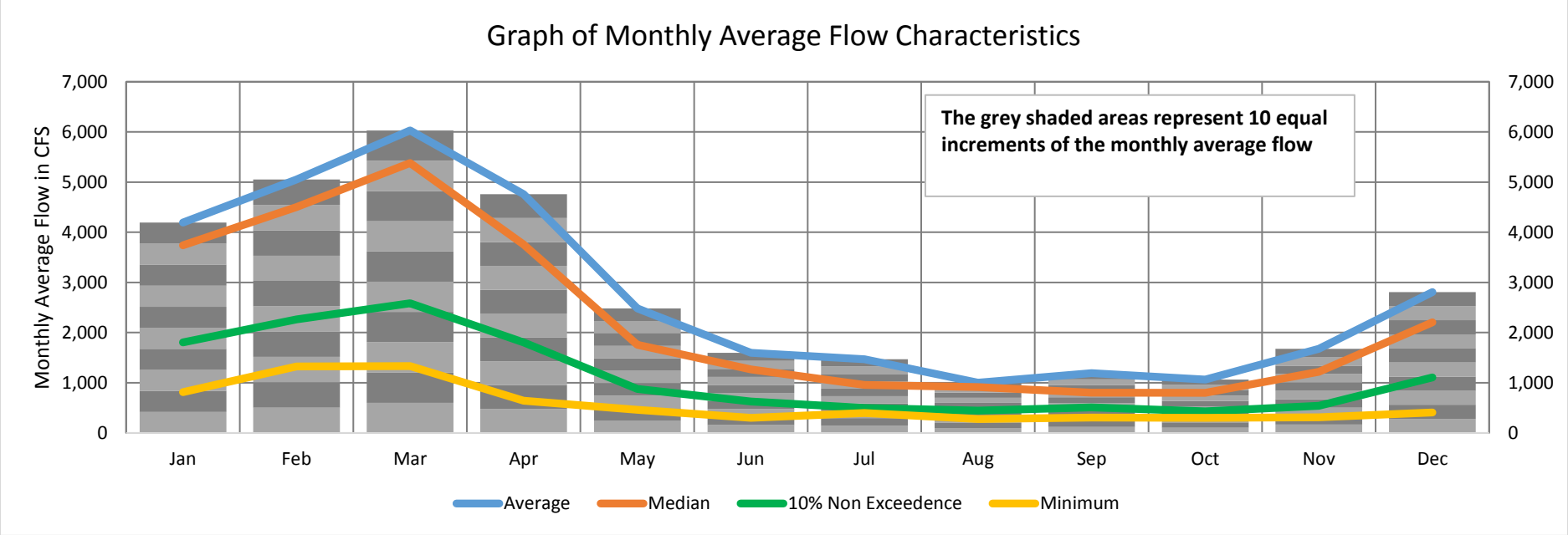
	Flows in CFS
Minimum	278.2
5th %	462
10th %	560
15th %	679
20th %	797
30th %	991
40th %	1,333
Median	1,655
60th %	2,352
70th %	3,237
80th %	4,461
90th %	6,309
Maximum	17,100
Average	2,777



Q10/Q50	0.34
Q10/Q90	0.09
	CFSM*
Qmin/DA	0.16
Q5/DA	0.26
Q10/DA	0.32
Q15/DA	0.38
Q20/DA	0.45
Q30/DA	0.56
Q40/DA	0.75
Q50/DA	0.94
Q60/DA	1.33
Q70/DA	1.83
Q80/DA	2.53
Q90/DA	3.57
Qmax/DA	9.68

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

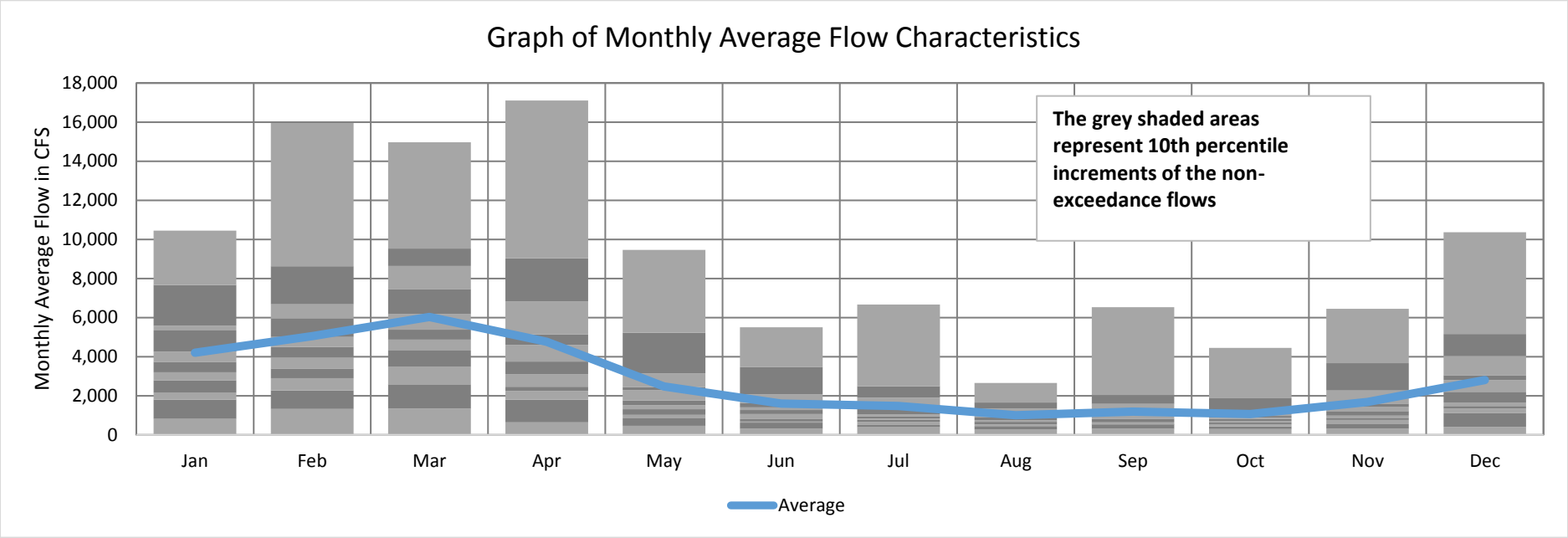
Site #: 03150202 Name: Cahaba River Basin Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	4,194	5,050	6,030	4,759	2,481	1,599	1,470	1,002	1,190	1,064	1,677	2,807
100%	10,450	15,960	14,970	17,100	9,466	5,504	6,661	2,656	6,530	4,446	6,445	10,360
98%	9,764	10,834	14,034	13,379	7,954	4,882	6,200	2,416	3,994	3,625	5,777	9,088
95%	8,592	8,950	11,823	12,007	6,622	4,422	5,605	2,076	3,105	3,234	4,262	7,776
90%	7,667	8,624	9,529	9,037	5,223	3,463	2,484	1,650	2,035	1,878	3,661	5,159
75%	5,421	6,121	8,224	5,790	2,762	1,804	1,512	1,210	1,361	984	1,777	3,315
50%	3,740	4,504	5,381	3,755	1,758	1,266	960	916	803	800	1,220	2,205
25%	2,505	3,186	3,804	2,408	1,194	735	721	559	544	574	798	1,450
10%	1,805	2,265	2,585	1,804	878	625	499	447	509	431	544	1,104
5%	1,007	1,586	1,489	1,529	842	484	439	401	445	339	476	830
2%	833	1,352	1,356	833	639	338	408	364	403	305	321	719
0%	816	1,324	1,333	645	461	304	399	278	305	302	313	408

Site #: 03150202 Name: Cahaba River Basin Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 1,766 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	4,194	5,050	6,030	4,759	2,481	1,599	1,470	1,002	1,190	1,064	1,677	2,807
100%	10,450	15,960	14,970	17,100	9,466	5,504	6,661	2,656	6,530	4,446	6,445	10,360
98%	9,764	10,834	14,034	13,379	7,954	4,882	6,200	2,416	3,994	3,625	5,777	9,088
95%	8,592	8,950	11,823	12,007	6,622	4,422	5,605	2,076	3,105	3,234	4,262	7,776
90%	7,667	8,624	9,529	9,037	5,223	3,463	2,484	1,650	2,035	1,878	3,661	5,159
75%	5,421	6,121	8,224	5,790	2,762	1,804	1,512	1,210	1,361	984	1,777	3,315
50%	3,740	4,504	5,381	3,755	1,758	1,266	960	916	803	800	1,220	2,205
25%	2,505	3,186	3,804	2,408	1,194	735	721	559	544	574	798	1,450
10%	1,805	2,265	2,585	1,804	878	625	499	447	509	431	544	1,104
5%	1,007	1,586	1,489	1,529	842	484	439	401	445	339	476	830
2%	833	1,352	1,356	833	639	338	408	364	403	305	321	719
0%	816	1,324	1,333	645	461	304	399	278	305	302	313	408

Monthly Flows (in CFS) for
03150203 - Middle Alabama River Subbasin

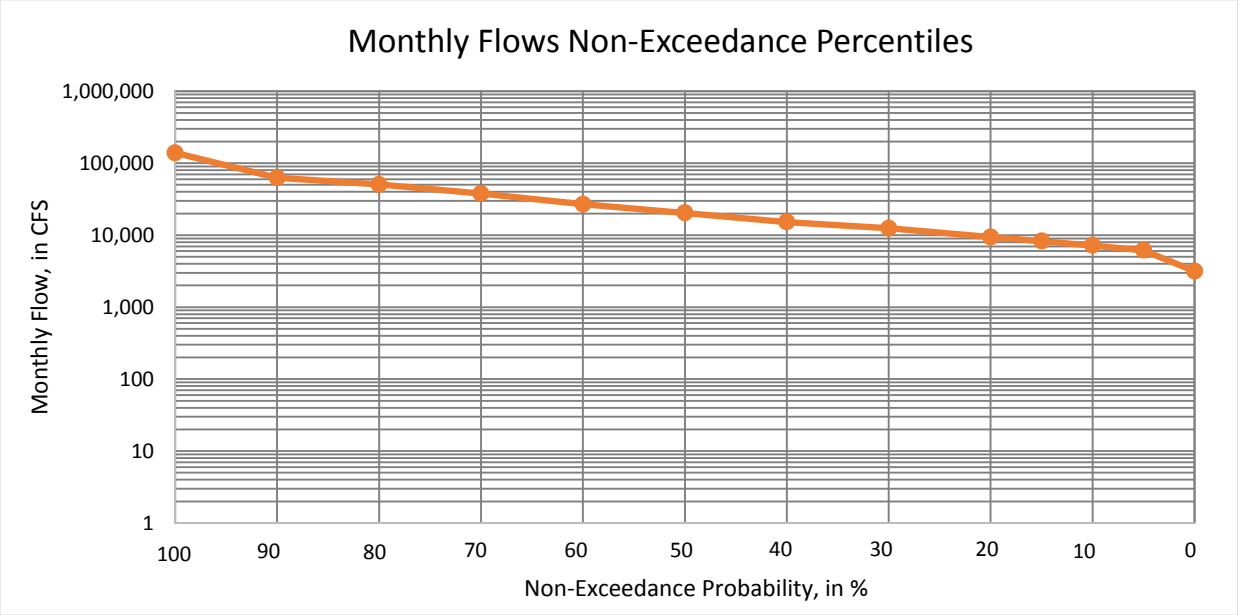
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	74,881	103,399	89,201	79,909	31,422	24,219	28,447	39,227	29,077	54,705	29,746	34,689	51,270
1976	69,618	47,568	84,889	88,090	50,572	23,767	24,370	13,901	12,441	8,727	14,164	37,071	39,587
1977	53,076	31,309	94,493	96,903	16,847	12,620	7,784	10,728	13,769	24,492	45,949	27,016	36,223
1978	62,698	45,977	43,661	23,221	57,162	25,707	9,430	12,328	8,242	6,828	7,566	15,605	26,489
1979	52,831	56,852	103,493	139,364	41,628	27,816	21,875	14,531	18,674	24,803	33,757	22,779	46,357
1980	50,393	49,169	106,318	119,028	59,008	18,985	11,519	8,308	7,061	12,545	13,712	13,307	39,024
1981	9,452	51,306	27,081	43,972	9,861	15,143	8,390	6,979	8,649	6,552	7,660	18,796	17,534
1982	58,631	86,622	46,881	49,141	32,956	15,689	14,475	13,364	6,965	10,982	16,217	73,864	35,210
1983	48,783	78,393	75,154	101,516	49,084	25,519	15,445	9,536	12,855	9,806	30,885	88,410	45,208
1984	73,073	44,386	56,955	51,476	52,191	14,644	15,266	41,854	11,584	11,500	15,407	29,294	34,850
1985	17,808	61,239	27,769	14,258	16,819	8,470	17,177	17,619	9,110	12,196	14,230	21,480	19,599
1986	13,458	25,208	38,417	8,994	8,116	7,702	6,525	6,501	5,565	5,482	27,166	39,227	15,995
1987	50,817	60,119	67,905	26,385	14,042	15,124	13,081	7,903	7,133	6,722	6,622	10,954	23,713
1988	34,133	31,036	16,424	15,586	8,244	6,976	7,541	5,963	20,632	11,914	25,886	16,584	16,620
1989	47,888	26,404	68,488	55,863	19,107	59,215	56,494	14,305	14,644	33,211	33,069	52,643	40,217
1990	81,914	119,028	136,916	38,163	24,982	11,622	11,048	8,879	7,206	9,146	10,634	19,295	39,504
1991	26,686	47,324	47,964	42,889	71,125	28,334	20,510	12,526	12,291	9,491	18,344	26,187	30,219
1992	51,071	57,624	52,511	24,238	10,634	18,316	11,820	16,678	18,175	11,810	61,879	76,576	34,125
1993	85,247	52,747	60,316	43,539	21,451	11,283	10,426	10,219	8,170	7,072	15,237	19,728	28,691
1994	29,341	55,242	58,744	63,602	15,783	13,580	43,172	18,683	15,840	23,777	17,102	45,845	33,277
1995	33,352	62,388	73,055	21,903	12,874	9,399	8,527	8,284	6,242	46,928	51,334	48,651	31,767
1996	53,283	83,129	84,023	40,178	19,973	15,708	12,102	13,458	15,285	12,780	17,817	36,026	33,365
1997	59,196	62,482	77,574	32,166	37,777	45,281	20,500	13,957	9,191	18,241	28,522	45,488	37,422
1998	80,521	96,997	95,961	54,856	22,995	14,324	9,553	10,266	11,500	14,381	10,191	15,878	36,105
1999	32,250	53,095	36,355	16,038	15,030	19,098	30,188	8,477	6,498	8,135	7,839	10,812	20,136
2000	16,998	12,931	28,522	40,601	8,586	6,342	5,916	5,976	5,958	5,563	10,116	13,938	13,433
2001	25,311	33,276	117,616	52,803	12,931	25,330	13,966	12,385	15,322	7,920	8,962	22,299	29,012
2002	34,425	30,546	29,369	21,979	16,640	7,547	7,332	6,858	11,358	15,765	40,799	62,275	23,722
2003	29,746	53,133	64,713	48,444	95,302	52,436	61,220	30,866	13,505	9,861	18,297	22,148	41,638
2004	25,377	57,755	19,276	11,340	13,693	12,667	12,620	8,288	33,173	14,974	49,009	61,455	26,381
2005	25,057	48,566	53,820	75,408	22,929	29,652	55,477	23,993	11,556	9,250	11,443	21,706	32,276
2006	35,320	45,120	39,622	17,808	21,329	7,154	5,886	6,244	5,837	7,527	22,515	16,028	19,050
2007	33,662	18,938	15,181	8,991	6,108	5,134	4,901	4,707	4,723	4,309	3,839	3,165	9,435
2008	7,786	24,464	26,451	20,802	15,209	7,950	4,631	18,024	6,928	6,169	7,303	31,120	14,700
2009	40,441	12,469	64,619	57,266	48,971	12,629	7,417	8,929	35,781	50,553	62,849	94,831	41,626
2010	65,890	78,355	64,534	22,694	28,654	14,409	7,482	6,935	5,181	5,451	9,329	12,404	26,505
2011	14,004	23,221	60,570	41,496	10,379	6,155	7,480	5,812	8,578	5,773	10,662	26,855	18,395
2012	37,014	32,118	35,875	11,321	9,265	6,644	5,477	9,166	13,486	7,590	7,362	23,664	16,529
2013	44,753	88,872	47,521	42,851	52,125	20,322	37,927	24,577	12,093	11,961	13,373	52,492	37,150
2014	45,064	49,640	42,418	80,238	31,657	21,112	11,302	7,019	7,028	9,833	13,693	23,476	28,345

Non-Exceedance Percentiles

03150203 - Middle Alabama River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	7,786	12,469	15,181	8,991	6,108	5,134	4,631	4,707	4,723	4,309	3,839	3,165	9,435
5th %	13,258	18,637	19,134	11,204	8,238	6,333	5,448	5,955	5,545	5,480	7,268	10,947	14,637
10th %	16,699	24,340	27,018	13,966	9,197	6,943	5,913	6,217	5,946	5,752	7,546	13,217	16,476
15th %	23,970	26,224	28,409	15,970	10,302	7,488	7,211	6,805	6,459	6,495	7,812	15,355	17,397
20th %	25,364	30,938	34,574	20,203	12,426	7,901	7,468	6,970	6,957	6,807	9,255	15,998	18,919
30th %	31,499	41,053	41,580	23,063	14,734	11,520	8,208	8,287	7,184	7,821	10,653	19,598	23,719
40th %	34,308	47,470	47,787	35,764	16,748	13,215	10,077	8,909	8,621	9,209	13,705	22,238	27,609
Median	42,597	50,473	57,850	42,174	20,651	14,884	11,669	10,243	11,429	9,847	15,322	24,925	30,993
60th %	49,427	53,976	64,568	45,761	23,790	16,751	13,435	12,441	12,172	11,852	18,009	30,025	33,669
70th %	52,905	58,464	69,858	53,419	32,047	20,559	15,964	13,917	13,492	12,615	26,270	37,718	36,140
80th %	59,896	65,656	84,196	65,963	48,994	25,368	22,374	16,866	15,292	16,260	31,322	49,419	39,120
90th %	73,254	86,847	96,714	88,972	52,688	28,465	38,452	24,052	18,870	25,644	46,255	63,434	41,627
Maximum	85,247	119,028	136,916	139,364	95,302	59,215	61,220	41,854	35,781	54,705	62,849	94,831	51,270
Average	43,281	52,461	59,516	46,133	27,837	18,101	17,117	13,106	12,183	14,368	21,262	33,351	29,768

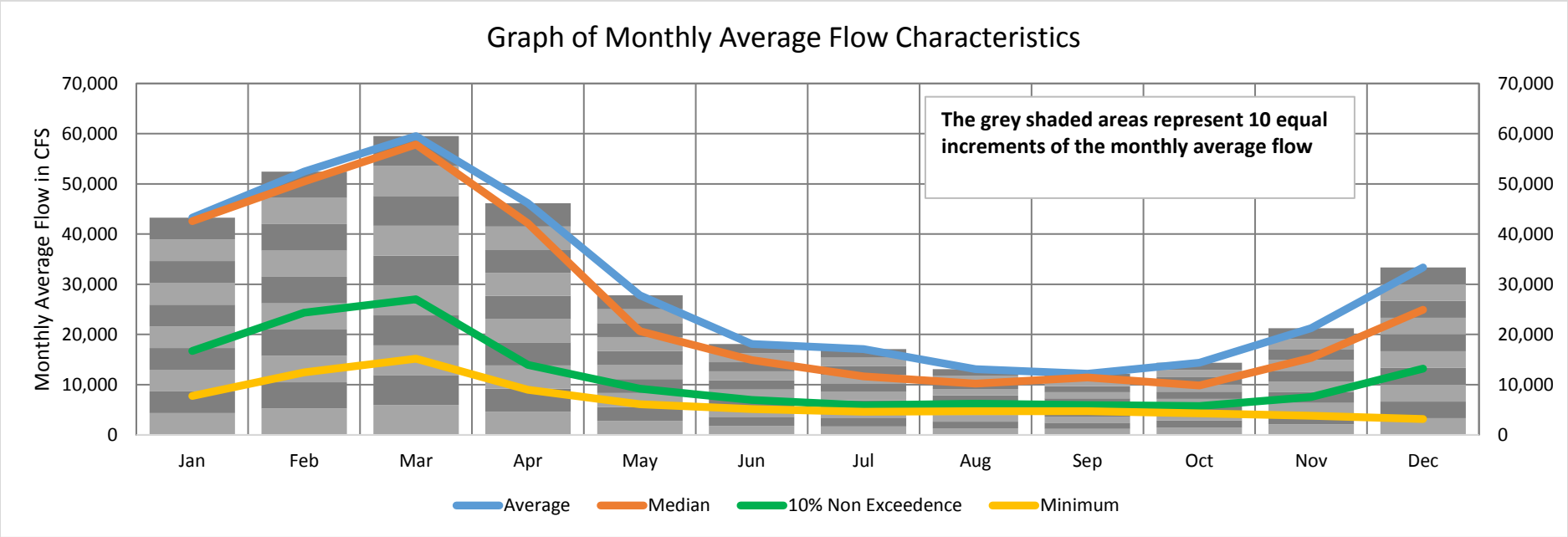
	Flows in CFS
Minimum	3,164.6
5th %	6,168
10th %	7,200
15th %	8,244
20th %	9,385
30th %	12,461
40th %	15,226
Median	20,411
60th %	26,920
70th %	37,822
80th %	50,557
90th %	62,713
Maximum	139,364
Average	29,893



Q10/Q50	0.35
Q10/Q90	0.11
	CFSM*
Qmin/DA	0.15
Q5/DA	0.29
Q10/DA	0.34
Q15/DA	0.39
Q20/DA	0.44
Q30/DA	0.59
Q40/DA	0.72
Q50/DA	0.97
Q60/DA	1.27
Q70/DA	1.79
Q80/DA	2.39
Q90/DA	2.97
Qmax/DA	6.59

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

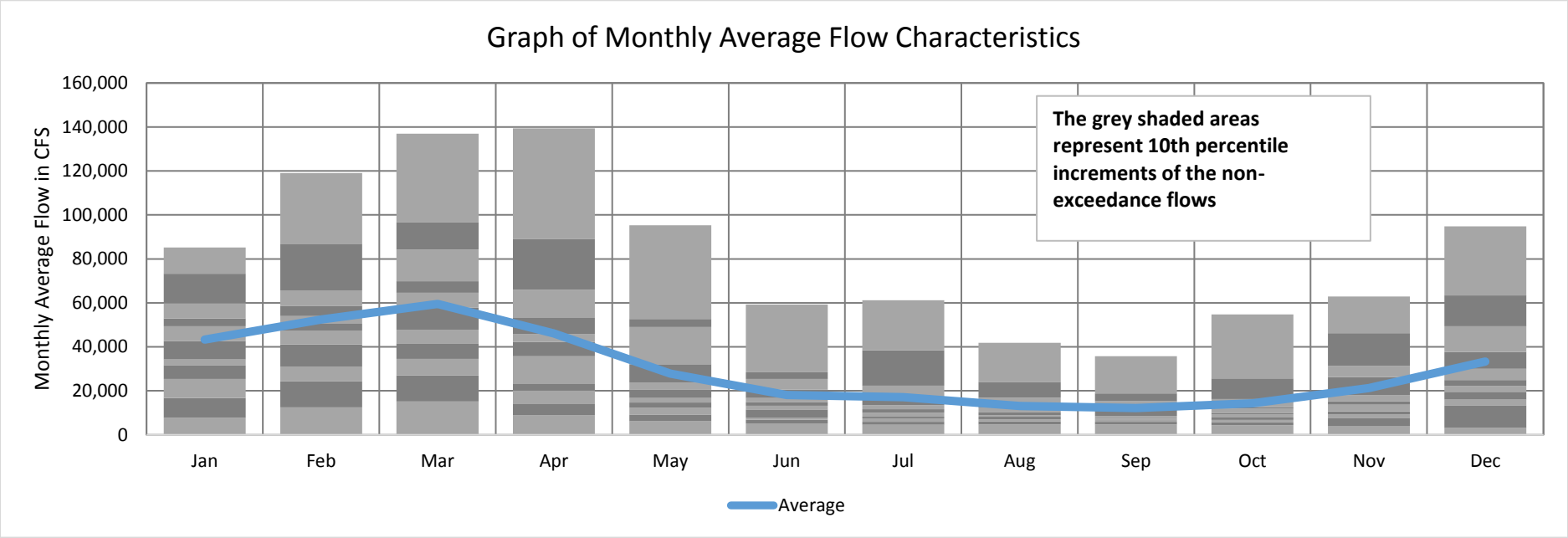
Site #: 03150203 Name: Middle Alabama River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	43,281	52,461	59,516	46,133	27,837	18,101	17,117	13,106	12,183	14,368	21,262	33,351
100%	85,247	119,028	136,916	139,364	95,302	59,215	61,220	41,854	35,781	54,705	62,849	94,831
98%	82,647	106,837	121,862	123,502	76,444	53,927	57,534	39,805	33,747	51,466	62,092	89,823
95%	80,590	97,317	106,883	102,392	59,613	45,638	55,528	31,284	29,282	47,109	51,862	77,168
90%	73,254	86,847	96,714	88,972	52,688	28,465	38,452	24,052	18,870	25,644	46,255	63,434
75%	54,620	61,526	75,759	56,214	38,740	23,880	20,503	14,362	13,988	14,529	28,828	45,577
50%	42,597	50,473	57,850	42,174	20,651	14,884	11,669	10,243	11,429	9,847	15,322	24,925
25%	28,677	31,916	37,902	21,960	13,503	9,167	7,526	7,682	7,052	7,413	10,172	18,243
10%	16,699	24,340	27,018	13,966	9,197	6,943	5,913	6,217	5,946	5,752	7,546	13,217
5%	13,258	18,637	19,134	11,204	8,238	6,333	5,448	5,955	5,545	5,480	7,268	10,947
2%	9,086	12,829	16,150	8,994	7,674	5,930	4,842	5,569	5,080	5,199	6,010	9,130
0%	7,786	12,469	15,181	8,991	6,108	5,134	4,631	4,707	4,723	4,309	3,839	3,165

Site #: 03150203 Name: Middle Alabama River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 21,140 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	43,281	52,461	59,516	46,133	27,837	18,101	17,117	13,106	12,183	14,368	21,262	33,351
100%	85,247	119,028	136,916	139,364	95,302	59,215	61,220	41,854	35,781	54,705	62,849	94,831
98%	82,647	106,837	121,862	123,502	76,444	53,927	57,534	39,805	33,747	51,466	62,092	89,823
95%	80,590	97,317	106,883	102,392	59,613	45,638	55,528	31,284	29,282	47,109	51,862	77,168
90%	73,254	86,847	96,714	88,972	52,688	28,465	38,452	24,052	18,870	25,644	46,255	63,434
75%	54,620	61,526	75,759	56,214	38,740	23,880	20,503	14,362	13,988	14,529	28,828	45,577
50%	42,597	50,473	57,850	42,174	20,651	14,884	11,669	10,243	11,429	9,847	15,322	24,925
25%	28,677	31,916	37,902	21,960	13,503	9,167	7,526	7,682	7,052	7,413	10,172	18,243
10%	16,699	24,340	27,018	13,966	9,197	6,943	5,913	6,217	5,946	5,752	7,546	13,217
5%	13,258	18,637	19,134	11,204	8,238	6,333	5,448	5,955	5,545	5,480	7,268	10,947
2%	9,086	12,829	16,150	8,994	7,674	5,930	4,842	5,569	5,080	5,199	6,010	9,130
0%	7,786	12,469	15,181	8,991	6,108	5,134	4,631	4,707	4,723	4,309	3,839	3,165

Monthly Flows (in CFS) for
03150204 - Alabama River Subbasin

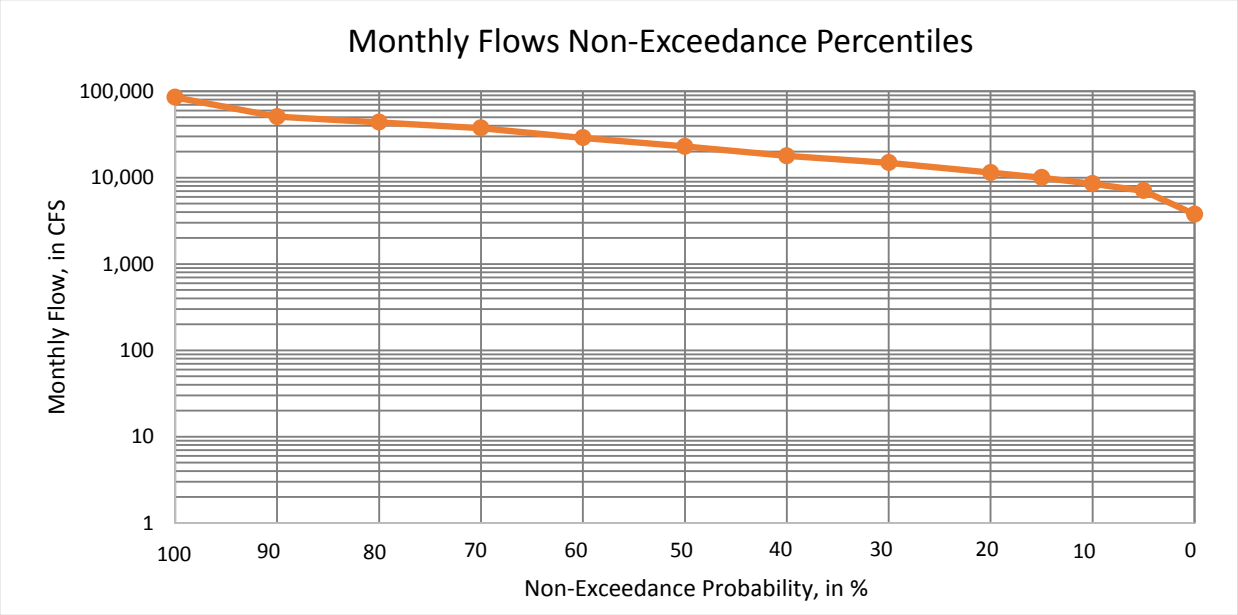
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	53,340	71,213	62,379	59,258	31,845	26,587	31,211	39,476	32,234	65,093	59,744	55,723	48,876
1976	63,678	38,874	45,569	49,324	37,700	24,405	47,128	23,537	26,073	38,987	37,847	58,370	41,047
1977	50,343	40,196	41,893	47,256	17,479	17,394	8,040	13,287	23,266	32,723	37,312	41,357	30,798
1978	65,617	35,601	27,777	21,646	33,527	20,925	25,572	36,419	38,219	41,392	29,898	34,017	34,278
1979	29,027	44,825	54,258	54,722	30,660	23,054	14,297	12,959	12,122	57,241	38,375	36,814	33,962
1980	43,134	43,704	66,683	66,753	46,683	21,594	13,858	10,057	8,485	14,878	15,849	15,288	30,499
1981	11,376	47,355	27,760	38,762	11,875	17,802	10,167	8,381	10,495	7,817	9,232	21,896	18,335
1982	48,359	66,222	43,353	41,252	34,025	18,236	17,061	15,681	8,363	13,398	19,250	53,699	31,397
1983	40,848	51,804	51,333	63,286	38,251	24,629	17,953	11,591	15,579	11,951	32,920	60,438	34,921
1984	57,250	41,229	48,629	43,631	42,475	17,461	18,272	44,062	14,173	13,519	17,839	30,251	32,427
1985	20,195	47,140	28,805	16,088	17,983	10,142	19,997	20,287	11,039	14,250	16,530	23,573	20,361
1986	15,828	27,179	38,504	10,887	9,706	8,965	7,802	7,761	6,558	6,474	27,533	35,962	16,883
1987	42,147	50,293	50,667	28,583	16,609	17,660	15,656	9,557	8,576	7,985	7,918	13,175	22,247
1988	34,986	31,471	18,742	17,008	9,983	8,359	9,084	7,059	23,798	14,071	27,345	18,557	18,256
1989	37,934	24,973	51,283	47,536	20,494	50,137	47,007	17,020	17,473	34,955	33,237	48,310	35,939
1990	56,988	67,957	84,829	37,703	26,563	13,543	13,353	10,789	8,662	11,142	12,972	19,344	30,144
1991	25,214	38,914	37,605	33,020	45,204	26,194	23,677	15,131	14,836	11,557	21,465	25,789	26,478
1992	47,795	50,663	48,070	26,305	12,939	21,219	14,202	19,311	20,888	14,367	54,263	62,601	32,594
1993	60,624	46,325	52,156	39,944	22,382	13,547	12,604	12,270	9,875	8,498	17,947	22,198	26,436
1994	28,748	41,850	48,341	49,600	18,531	15,666	41,609	21,773	18,891	26,667	19,720	41,949	31,080
1995	32,274	51,716	52,240	20,919	14,407	11,242	10,299	9,937	7,425	46,978	47,876	43,892	28,994
1996	45,622	62,422	64,125	37,192	22,863	18,505	14,315	15,894	17,991	15,376	20,046	34,312	30,541
1997	49,249	51,041	61,055	32,764	35,525	37,739	21,137	16,336	11,118	21,143	30,977	43,229	34,205
1998	58,303	71,309	70,642	48,870	25,558	17,030	11,256	12,213	13,914	17,390	12,371	17,585	31,133
1999	28,788	42,567	32,737	17,420	17,208	21,774	32,526	10,289	7,729	9,854	9,476	13,126	20,176
2000	19,468	15,285	28,415	33,796	10,342	7,570	6,998	7,065	7,019	6,461	12,076	16,101	14,198
2001	25,222	29,630	76,572	44,994	15,399	26,605	16,713	14,864	16,838	8,861	10,645	20,051	25,507
2002	31,394	28,010	28,277	22,694	17,555	9,078	8,720	8,227	13,307	17,083	37,613	51,020	22,728
2003	30,041	42,970	49,459	42,276	68,557	47,329	54,734	31,861	15,655	11,827	20,483	23,713	36,579
2004	25,765	43,528	18,712	13,044	16,031	13,863	13,732	9,883	35,451	17,214	43,579	48,041	24,733
2005	25,484	42,499	47,846	58,701	25,632	28,398	49,541	26,912	12,938	9,143	10,178	22,732	29,924
2006	30,146	41,113	41,799	18,872	21,058	7,175	6,207	6,084	5,276	6,726	23,164	17,720	18,651
2007	36,745	20,611	16,844	10,560	5,867	5,289	4,317	4,159	3,763	6,657	4,965	3,929	10,270
2008	9,990	39,011	29,957	23,648	15,147	7,805	4,168	16,414	7,980	6,345	7,635	29,711	16,351
2009	36,557	14,751	49,178	44,318	45,348	19,003	8,633	11,173	26,874	45,564	55,089	53,321	34,286
2010	49,257	51,310	48,918	23,798	29,917	17,376	8,621	7,841	5,968	6,386	10,284	14,279	22,688
2011	14,857	24,506	41,806	35,634	13,213	7,332	9,005	6,269	8,451	6,745	12,946	27,354	17,298
2012	33,868	34,900	34,157	14,989	10,436	9,117	6,467	10,551	15,720	9,008	8,866	24,455	17,631
2013	35,828	62,582	40,588	39,852	45,454	22,831	37,963	28,431	14,744	11,549	14,014	48,497	33,406
2014	39,028	44,184	40,380	46,883	35,953	23,331	13,410	7,542	7,568	11,407	15,178	20,192	25,291

Non-Exceedance Percentiles

03150204 - Alabama River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	9,990	14,751	16,844	10,560	5,867	5,289	4,168	4,159	3,763	6,345	4,965	3,929	10,270
5th %	14,683	20,345	18,741	12,936	9,969	7,324	6,112	6,260	5,933	6,457	7,904	13,173	16,243
10th %	19,104	24,926	27,775	15,978	10,426	7,782	6,945	7,064	6,973	6,639	9,196	15,187	17,257
15th %	24,461	27,885	28,395	17,359	12,780	8,874	8,004	7,728	7,546	6,742	10,073	17,362	18,162
20th %	25,432	31,103	29,727	20,509	14,169	9,109	8,631	8,150	7,930	7,952	10,573	18,390	18,588
30th %	28,955	38,902	38,234	23,753	16,436	13,546	9,842	9,921	8,549	9,102	12,965	21,385	22,556
40th %	31,922	41,183	41,803	32,917	17,812	17,238	13,053	10,694	10,821	11,493	16,257	23,657	25,421
Median	36,193	42,769	46,707	37,448	21,720	17,731	14,030	12,242	13,122	12,674	19,485	28,532	29,459
60th %	39,756	44,440	48,745	40,467	26,004	19,771	16,079	14,971	14,781	14,297	22,145	34,972	30,644
70th %	46,274	48,236	50,852	44,521	32,350	22,091	18,790	16,359	16,056	17,122	30,222	42,333	31,706
80th %	49,474	51,392	52,644	47,803	36,302	24,450	26,700	20,585	19,290	27,879	37,372	48,347	34,011
90th %	57,355	62,946	64,380	55,120	45,218	26,784	42,148	28,774	26,153	41,809	44,008	53,901	35,023
Maximum	65,617	71,309	84,829	66,753	68,557	50,137	54,734	44,062	38,219	65,093	59,744	62,601	48,876
Average	37,283	43,043	45,059	35,595	25,410	18,898	18,683	15,459	14,633	18,467	23,616	32,314	27,289

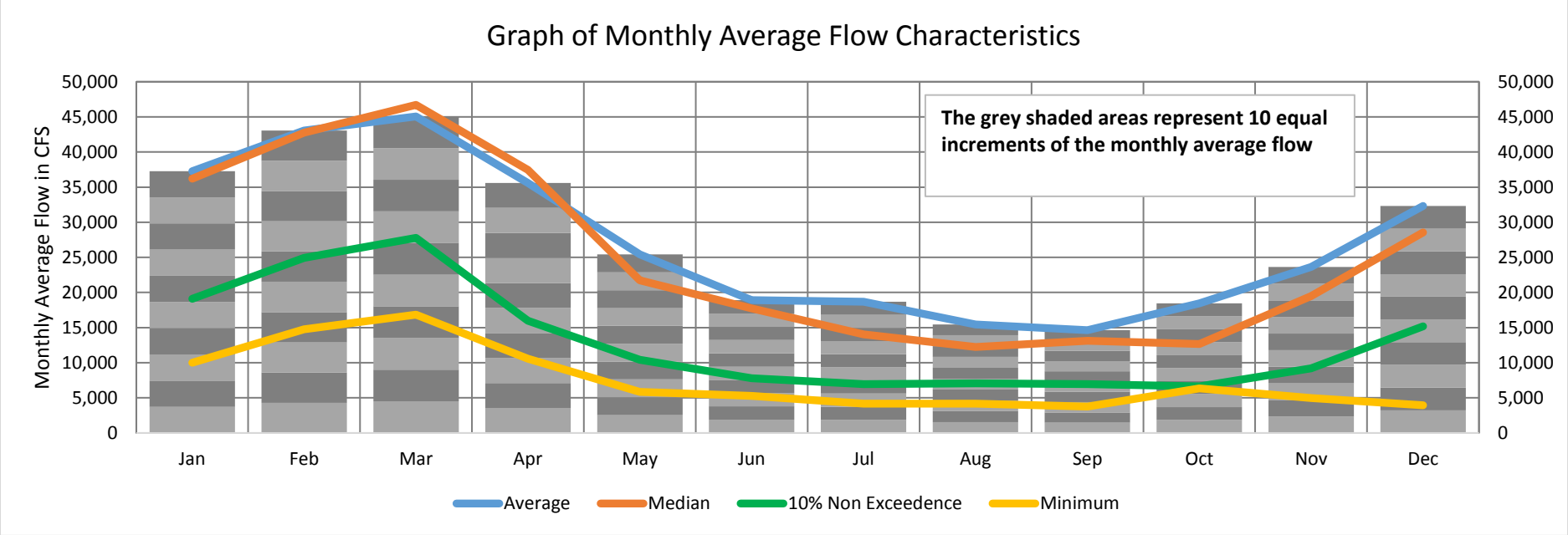
	Flows in CFS
Minimum	3,763.4
5th %	7,057
10th %	8,482
15th %	9,976
20th %	11,401
30th %	14,862
40th %	17,824
Median	22,959
60th %	28,894
70th %	37,400
80th %	43,646
90th %	50,703
Maximum	84,829
Average	27,372



Q10/Q50	0.37
Q10/Q90	0.17
	CFSM*
Qmin/DA	0.17
Q5/DA	0.31
Q10/DA	0.37
Q15/DA	0.44
Q20/DA	0.50
Q30/DA	0.65
Q40/DA	0.78
Q50/DA	1.01
Q60/DA	1.27
Q70/DA	1.64
Q80/DA	1.92
Q90/DA	2.23
Qmax/DA	3.73

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

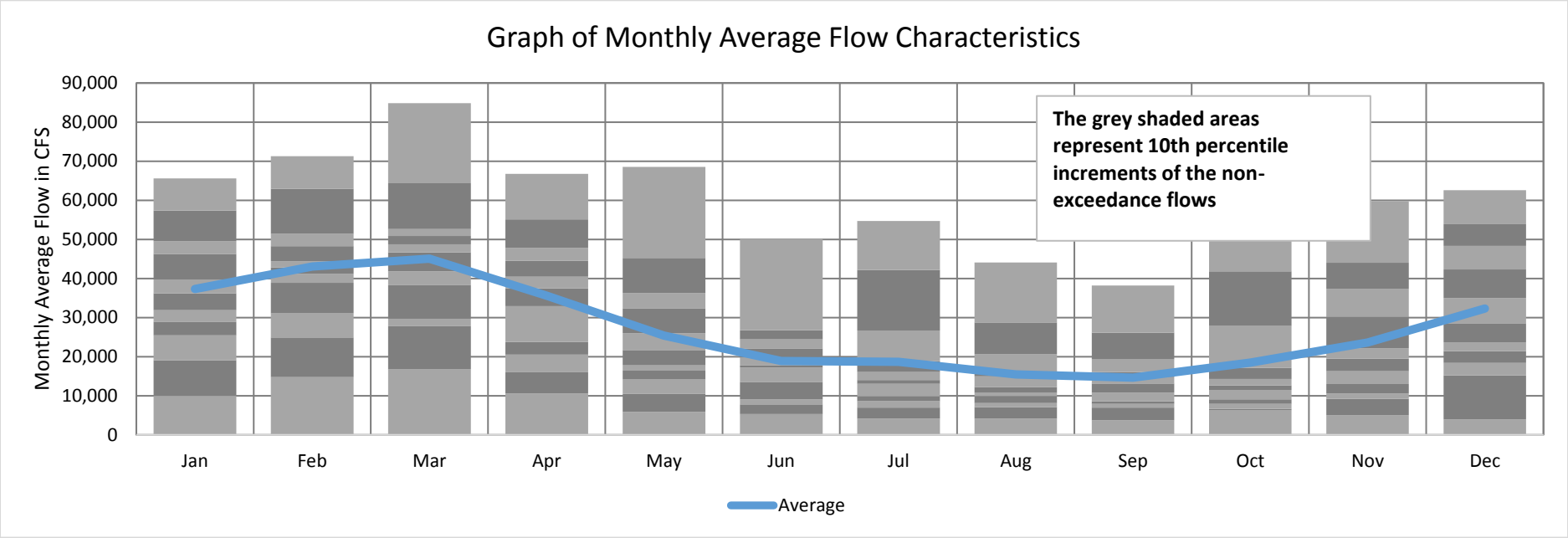
Site #: 03150204 Name: Alabama River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	37,283	43,043	45,059	35,595	25,410	18,898	18,683	15,459	14,633	18,467	23,616	32,314
100%	65,617	71,309	84,829	66,753	68,557	50,137	54,734	44,062	38,219	65,093	59,744	62,601
98%	64,105	71,234	78,388	64,049	51,495	47,946	50,683	40,485	36,060	58,968	56,113	60,914
95%	60,776	68,119	70,938	59,459	45,516	38,219	47,249	36,572	32,395	47,491	54,304	58,473
90%	57,355	62,946	64,380	55,120	45,218	26,784	42,148	28,774	26,153	41,809	44,008	53,901
75%	48,582	50,757	51,539	46,976	34,400	23,123	21,772	17,592	17,602	18,328	32,999	44,929
50%	36,193	42,769	46,707	37,448	21,720	17,731	14,030	12,242	13,122	12,674	19,485	28,532
25%	28,002	35,426	33,802	22,432	15,336	10,967	8,934	9,263	8,429	8,770	12,297	19,874
10%	19,104	24,926	27,775	15,978	10,426	7,782	6,945	7,064	6,973	6,639	9,196	15,187
5%	14,683	20,345	18,741	12,936	9,969	7,324	6,112	6,260	5,933	6,457	7,904	13,173
2%	11,071	15,167	18,301	10,815	8,861	6,760	4,285	5,661	4,943	6,377	7,048	11,103
0%	9,990	14,751	16,844	10,560	5,867	5,289	4,168	4,159	3,763	6,345	4,965	3,929

Site #: 03150204 Name: Alabama River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 22,750 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	37,283	43,043	45,059	35,595	25,410	18,898	18,683	15,459	14,633	18,467	23,616	32,314
100%	65,617	71,309	84,829	66,753	68,557	50,137	54,734	44,062	38,219	65,093	59,744	62,601
98%	64,105	71,234	78,388	64,049	51,495	47,946	50,683	40,485	36,060	58,968	56,113	60,914
95%	60,776	68,119	70,938	59,459	45,516	38,219	47,249	36,572	32,395	47,491	54,304	58,473
90%	57,355	62,946	64,380	55,120	45,218	26,784	42,148	28,774	26,153	41,809	44,008	53,901
75%	48,582	50,757	51,539	46,976	34,400	23,123	21,772	17,592	17,602	18,328	32,999	44,929
50%	36,193	42,769	46,707	37,448	21,720	17,731	14,030	12,242	13,122	12,674	19,485	28,532
25%	28,002	35,426	33,802	22,432	15,336	10,967	8,934	9,263	8,429	8,770	12,297	19,874
10%	19,104	24,926	27,775	15,978	10,426	7,782	6,945	7,064	6,973	6,639	9,196	15,187
5%	14,683	20,345	18,741	12,936	9,969	7,324	6,112	6,260	5,933	6,457	7,904	13,173
2%	11,071	15,167	18,301	10,815	8,861	6,760	4,285	5,661	4,943	6,377	7,048	11,103
0%	9,990	14,751	16,844	10,560	5,867	5,289	4,168	4,159	3,763	6,345	4,965	3,929

Monthly Flows (in CFS) for

03160103 - Buttahatchee River Subbasin in Alabama

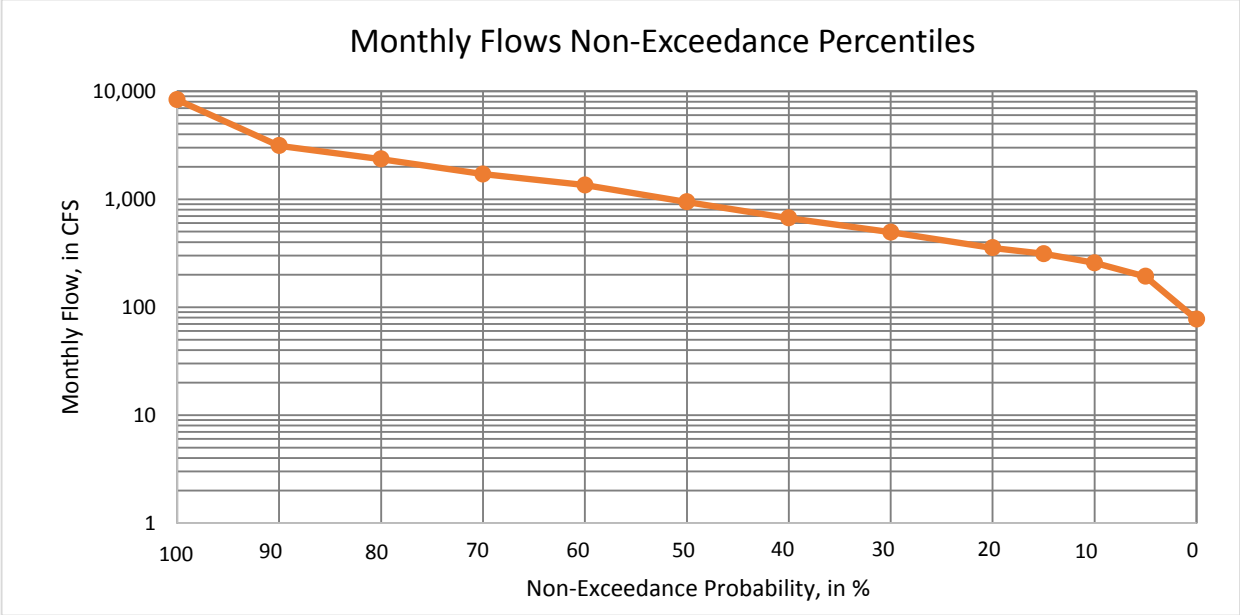
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	4,461	3,500	5,057	2,478	1,252	1,045	823	1,175	717	2,349	1,387	1,352	2,130
1976	2,126	2,373	2,747	1,752	1,116	833	460	281	552	339	472	1,019	1,166
1977	1,983	1,525	5,213	2,547	524	344	338	287	541	1,558	2,938	2,358	1,682
1978	1,933	960	1,988	739	2,665	1,060	310	238	226	227	303	758	955
1979	3,860	2,127	3,128	4,186	1,328	583	636	386	1,051	405	2,576	1,396	1,799
1980	2,272	1,575	6,815	3,931	2,350	637	391	257	345	776	1,219	833	1,788
1981	667	1,485	1,307	2,038	530	421	450	261	243	229	288	657	708
1982	3,913	1,997	1,767	3,077	813	493	515	757	208	258	501	3,058	1,446
1983	1,660	3,602	3,283	5,647	4,438	1,394	699	278	298	280	1,057	5,293	2,319
1984	2,355	1,443	2,017	2,694	3,655	495	341	266	156	1,149	2,408	1,486	1,541
1985	1,020	2,876	971	1,038	3,466	590	621	602	332	486	799	696	1,115
1986	519	1,347	1,353	461	730	1,192	240	190	193	367	2,219	1,828	881
1987	2,445	2,163	3,124	767	418	539	251	170	162	135	275	464	904
1988	952	1,153	704	1,162	317	137	164	117	499	860	1,808	1,105	743
1989	4,390	2,546	4,163	1,658	1,057	1,502	1,759	442	479	1,420	1,245	897	1,797
1990	3,591	5,070	3,135	1,129	2,126	1,093	340	202	194	220	335	4,906	1,848
1991	1,761	5,459	3,109	6,130	8,329	1,418	601	455	418	310	452	4,342	2,716
1992	909	1,334	1,520	861	315	385	329	392	385	257	833	1,317	733
1993	1,752	1,524	2,375	2,016	1,429	605	308	427	330	274	682	1,100	1,066
1994	2,050	4,763	3,439	1,677	589	726	1,880	561	425	758	1,088	1,593	1,610
1995	1,585	2,709	3,785	3,023	1,461	986	592	384	219	368	968	2,162	1,513
1996	3,369	1,890	1,965	2,081	682	510	444	456	710	509	1,404	2,943	1,412
1997	3,070	2,084	2,826	1,071	3,825	5,020	1,440	529	374	562	668	1,492	1,913
1998	4,336	2,561	3,211	1,399	612	434	656	680	218	221	376	1,659	1,362
1999	3,992	2,229	2,376	1,644	1,799	569	473	150	134	166	278	380	1,180
2000	741	615	917	3,608	350	263	163	98	82	77	490	794	679
2001	2,131	2,924	2,522	2,878	676	2,104	359	302	491	768	421	3,138	1,549
2002	2,624	1,496	2,099	2,065	3,532	408	502	340	542	878	2,037	2,356	1,577
2003	1,238	4,411	3,119	1,731	4,807	1,152	761	1,267	732	457	1,077	1,439	1,836
2004	1,596	4,599	2,942	816	509	1,118	949	561	570	614	3,266	4,742	1,839
2005	1,639	1,743	1,485	2,439	671	1,353	1,013	457	1,474	422	696	1,672	1,249
2006	2,733	2,776	1,415	1,227	1,031	342	155	167	254	565	1,731	760	1,085
2007	2,434	1,277	831	554	313	171	273	122	252	334	395	404	611
2008	600	1,930	1,486	1,160	1,456	455	155	229	256	189	334	3,480	974
2009	2,725	937	3,492	2,069	3,093	532	235	356	1,139	3,139	1,885	2,615	1,864
2010	2,663	2,802	1,698	1,481	2,873	902	344	331	184	181	355	598	1,193
2011	1,975	997	2,717	3,806	1,143	350	309	316	565	206	301	1,502	1,183
2012	1,970	1,440	1,556	798	658	325	234	243	496	678	309	1,362	838
2013	3,580	2,035	2,239	2,062	2,032	534	816	490	372	319	505	1,541	1,377
2014	1,563	2,600	1,146	2,387	795	918	413	248	148	571	819	2,480	1,163

Non-Exceedance Percentiles

03160103 - Buttahatchee River Subbasin in Alabama

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	519	615	704	461	313	137	155	98	82	77	275	380	611
5th %	663	959	913	730	317	258	163	121	147	164	287	461	706
10th %	892	1,137	1,129	795	411	340	227	165	161	188	303	651	742
15th %	1,010	1,325	1,346	854	522	349	239	187	191	218	330	749	875
20th %	1,498	1,421	1,471	1,064	578	403	268	223	205	225	351	787	944
30th %	1,654	1,516	1,655	1,208	674	482	323	254	238	269	443	1,076	1,106
40th %	1,955	1,831	2,005	1,652	806	533	343	280	281	328	503	1,358	1,182
Median	2,088	2,060	2,376	1,884	1,130	586	428	323	358	386	747	1,489	1,370
60th %	2,387	2,287	2,779	2,067	1,440	769	485	385	421	495	1,003	1,619	1,524
70th %	2,682	2,633	3,121	2,451	2,060	1,003	607	446	497	584	1,227	2,220	1,632
80th %	3,411	2,886	3,225	2,907	2,917	1,125	711	498	554	769	1,746	2,681	1,807
90th %	3,921	4,430	3,823	3,819	3,672	1,396	955	610	719	1,176	2,238	3,566	1,869
Maximum	4,461	5,459	6,815	6,130	8,329	5,020	1,880	1,267	1,474	3,139	3,266	5,293	2,716
Average	2,280	2,322	2,526	2,107	1,744	848	543	387	424	597	1,030	1,849	1,384

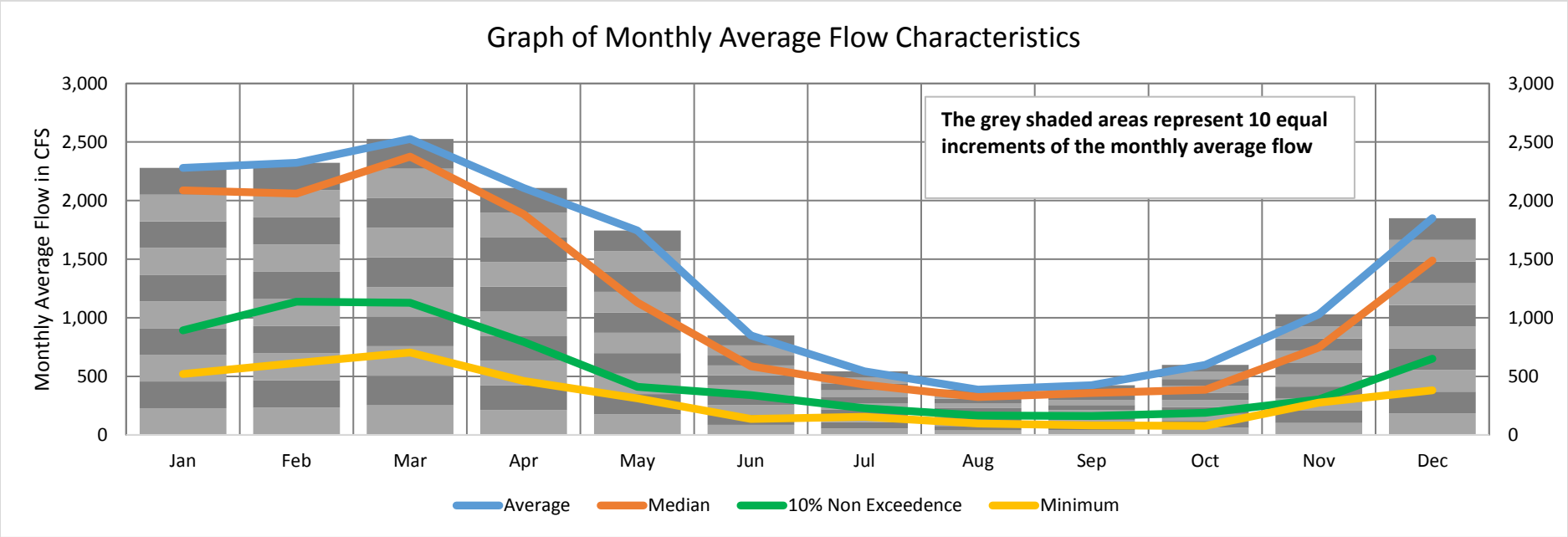
	Flows in CFS
Minimum	77.0
5th %	193
10th %	257
15th %	312
20th %	354
30th %	494
40th %	668
Median	943
60th %	1,349
70th %	1,708
80th %	2,351
90th %	3,129
Maximum	8,329
Average	1,388



Q10/Q50	0.27
Q10/Q90	0.08
	CFSM*
Qmin/DA	0.10
Q5/DA	0.24
Q10/DA	0.32
Q15/DA	0.39
Q20/DA	0.44
Q30/DA	0.62
Q40/DA	0.84
Q50/DA	1.18
Q60/DA	1.69
Q70/DA	2.14
Q80/DA	2.95
Q90/DA	3.92
Qmax/DA	10.44

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

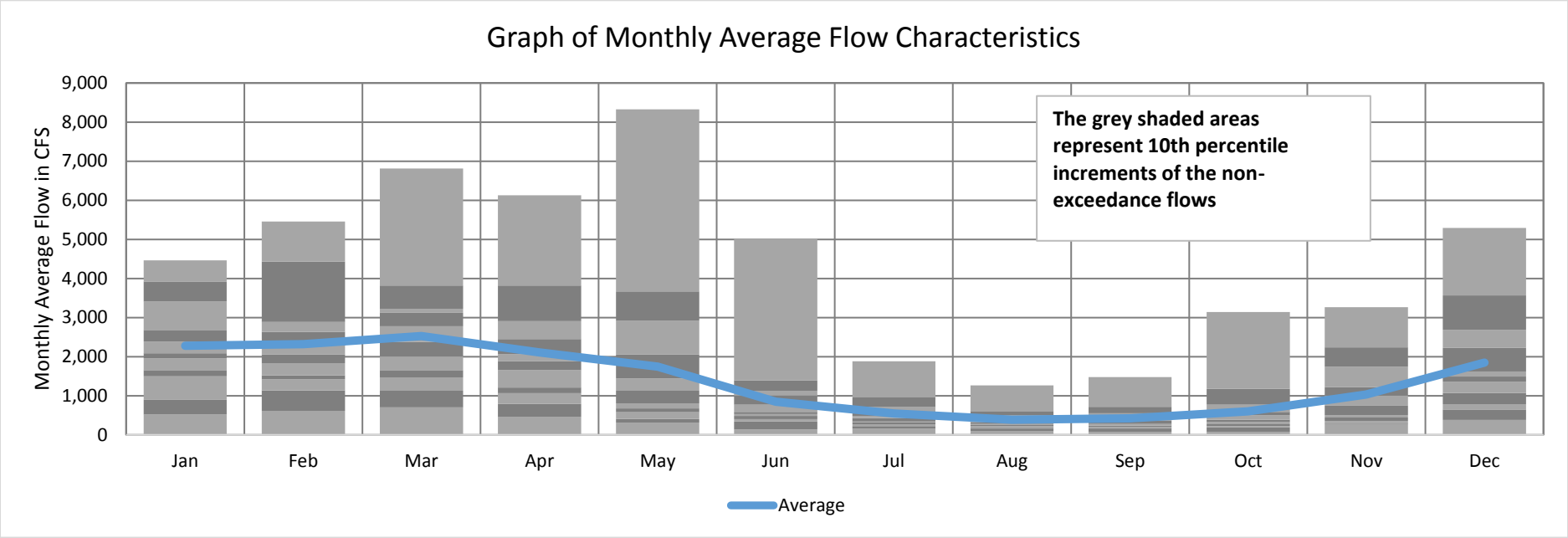
Site #: 03160103 Name: Buttahatchee River Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,280	2,322	2,526	2,107	1,744	848	543	387	424	597	1,030	1,849
100%	4,461	5,459	6,815	6,130	8,329	5,020	1,880	1,267	1,474	3,139	3,266	5,293
98%	4,406	5,156	5,565	5,753	5,582	2,746	1,786	1,195	1,213	2,523	3,010	4,991
95%	4,339	4,778	5,065	4,259	4,456	1,532	1,456	778	1,055	1,598	2,594	4,750
90%	3,921	4,430	3,823	3,819	3,672	1,396	955	610	719	1,176	2,238	3,566
75%	2,817	2,783	3,130	2,584	2,429	1,068	641	456	541	698	1,391	2,389
50%	2,088	2,060	2,376	1,884	1,130	586	428	323	358	386	747	1,489
25%	1,593	1,475	1,512	1,152	646	430	309	242	219	250	390	881
10%	892	1,137	1,129	795	411	340	227	165	161	188	303	651
5%	663	959	913	730	317	258	163	121	147	164	287	461
2%	582	866	803	533	314	163	155	113	122	122	278	398
0%	519	615	704	461	313	137	155	98	82	77	275	380

Site #: 03160103 Name: Buttahatchee River Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 798 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,280	2,322	2,526	2,107	1,744	848	543	387	424	597	1,030	1,849
100%	4,461	5,459	6,815	6,130	8,329	5,020	1,880	1,267	1,474	3,139	3,266	5,293
98%	4,406	5,156	5,565	5,753	5,582	2,746	1,786	1,195	1,213	2,523	3,010	4,991
95%	4,339	4,778	5,065	4,259	4,456	1,532	1,456	778	1,055	1,598	2,594	4,750
90%	3,921	4,430	3,823	3,819	3,672	1,396	955	610	719	1,176	2,238	3,566
75%	2,817	2,783	3,130	2,584	2,429	1,068	641	456	541	698	1,391	2,389
50%	2,088	2,060	2,376	1,884	1,130	586	428	323	358	386	747	1,489
25%	1,593	1,475	1,512	1,152	646	430	309	242	219	250	390	881
10%	892	1,137	1,129	795	411	340	227	165	161	188	303	651
5%	663	959	913	730	317	258	163	121	147	164	287	461
2%	582	866	803	533	314	163	155	113	122	122	278	398
0%	519	615	704	461	313	137	155	98	82	77	275	380

Monthly Flows (in CFS) for
03160105 - Luxapallila Creek Subbasin in Alabama

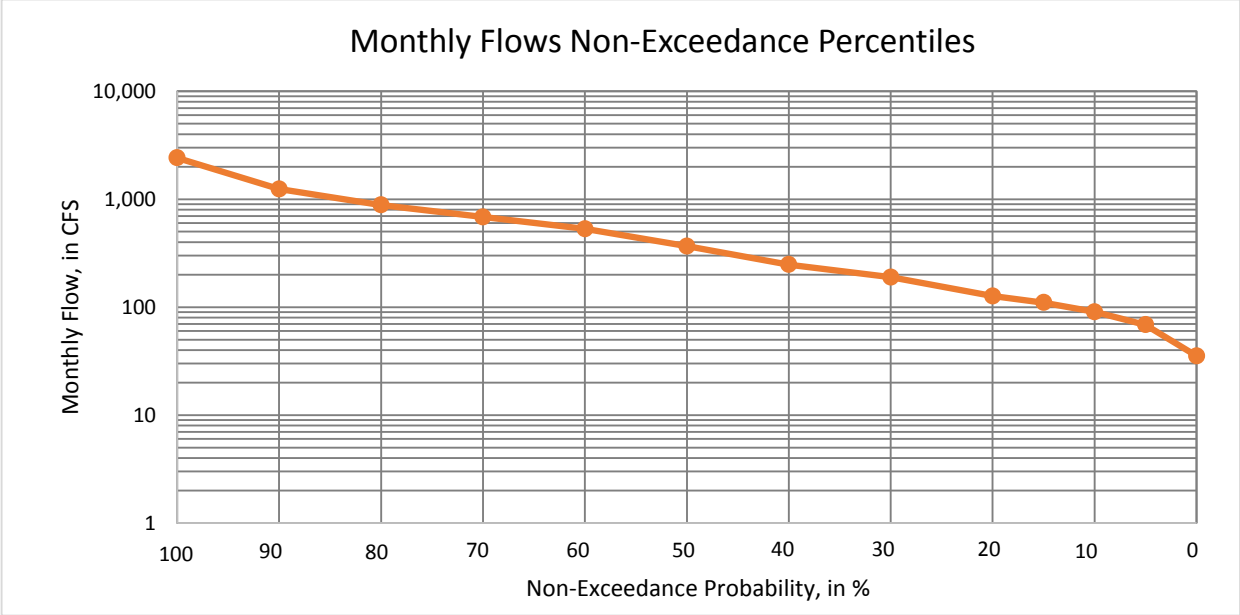
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	1,413	1,420	1,726	748	564	306	468	580	231	968	406	541	780
1976	883	907	1,431	636	927	324	224	126	193	142	241	605	553
1977	1,035	555	1,600	1,401	153	98	109	107	220	688	856	861	641
1978	749	423	766	270	1,073	410	104	86	66	64	112	337	373
1979	1,617	906	1,275	2,080	615	364	540	170	893	231	878	566	842
1980	900	711	2,299	1,934	986	248	142	92	93	197	465	347	701
1981	259	536	631	890	175	225	79	87	72	92	114	239	281
1982	1,511	878	621	1,186	254	198	174	208	64	101	379	1,373	578
1983	901	1,643	1,551	1,759	1,606	498	253	90	121	122	360	2,165	919
1984	955	772	940	1,314	991	165	124	130	68	238	524	590	566
1985	422	1,081	410	421	654	244	145	182	116	223	317	361	377
1986	243	341	581	167	204	195	71	74	66	104	381	527	246
1987	756	849	966	277	146	115	72	49	48	47	83	147	294
1988	372	493	242	361	90	41	50	38	99	198	528	290	231
1989	1,557	985	1,158	705	440	732	700	182	156	392	464	441	658
1990	1,526	1,859	1,241	478	538	376	156	73	69	85	133	1,634	676
1991	610	1,819	1,169	2,126	2,412	577	202	157	142	123	212	643	842
1992	389	632	545	357	110	168	204	244	187	88	564	745	351
1993	1,020	752	696	665	457	175	188	114	91	76	248	325	399
1994	617	1,361	1,343	858	211	315	873	202	161	266	339	700	600
1995	835	863	1,254	1,538	339	164	159	144	153	391	458	691	580
1996	1,264	841	871	1,639	306	210	676	218	233	192	513	702	637
1997	1,157	890	980	372	960	1,280	346	200	118	179	251	420	595
1998	1,539	912	1,123	733	220	163	294	297	94	80	157	572	515
1999	1,527	989	784	529	326	255	235	65	59	74	103	179	425
2000	315	262	537	1,372	105	81	48	40	35	43	159	173	263
2001	592	951	1,232	729	236	711	156	96	289	362	187	987	541
2002	933	753	733	534	637	127	233	102	212	411	887	886	537
2003	496	1,576	1,187	740	1,272	663	475	533	214	256	523	648	710
2004	682	1,560	948	329	202	645	498	214	242	242	657	1,439	633
2005	570	804	629	1,135	353	718	465	219	370	157	201	524	509
2006	927	1,402	867	326	318	82	61	61	84	334	600	300	441
2007	870	525	299	186	107	57	118	55	63	77	123	140	217
2008	205	756	632	423	492	120	50	127	120	118	134	1,198	363
2009	1,561	590	1,749	708	777	342	116	186	621	1,327	725	1,249	834
2010	856	905	965	606	844	265	105	121	77	68	215	404	451
2011	675	499	1,256	1,781	440	103	110	100	288	78	126	527	498
2012	830	702	718	328	189	99	111	126	150	253	135	600	353
2013	1,509	1,058	956	919	657	188	400	240	121	126	189	620	580
2014	501	996	567	1,225	421	352	157	76	71	110	195	890	459

Non-Exceedance Percentiles

03160105 - Luxapallila Creek Subbasin in Alabama

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	205	262	242	167	90	41	48	38	35	43	83	140	217
5th %	258	419	404	266	107	79	50	49	58	64	112	172	245
10th %	366	499	544	321	142	96	70	60	64	74	122	233	279
15th %	417	534	579	329	172	102	78	72	66	76	132	299	342
20th %	500	583	628	360	200	119	105	76	69	79	135	335	361
30th %	615	740	712	461	231	165	115	92	81	98	188	415	417
40th %	753	791	833	624	323	192	144	105	97	120	213	527	482
Median	863	870	952	718	430	235	158	126	121	150	284	581	539
60th %	911	906	1,037	792	510	281	203	149	152	198	380	629	579
70th %	1,024	986	1,201	1,150	642	345	240	183	189	239	465	701	610
80th %	1,432	1,137	1,260	1,378	861	428	413	209	222	280	525	887	662
90th %	1,528	1,562	1,556	1,762	999	667	503	240	288	394	664	1,261	785
Maximum	1,617	1,859	2,299	2,126	2,412	1,280	873	580	893	1,327	887	2,165	919
Average	889	919	987	870	545	310	242	155	169	233	354	665	526

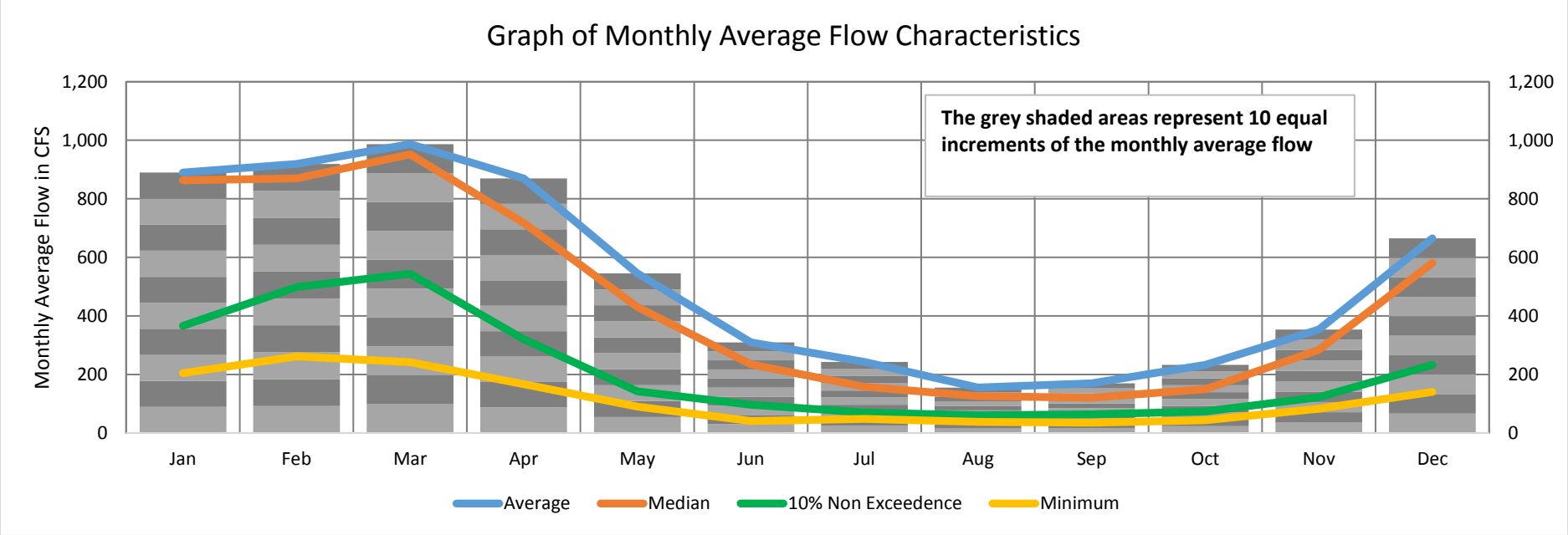
	Flows in CFS
Minimum	35.3
5th %	69
10th %	90
15th %	110
20th %	127
30th %	189
40th %	248
Median	367
60th %	531
70th %	684
80th %	884
90th %	1,242
Maximum	2,412
Average	528



Q10/Q50	0.25
Q10/Q90	0.07
	CFSM*
Qmin/DA	0.11
Q5/DA	0.22
Q10/DA	0.29
Q15/DA	0.36
Q20/DA	0.41
Q30/DA	0.61
Q40/DA	0.80
Q50/DA	1.19
Q60/DA	1.72
Q70/DA	2.21
Q80/DA	2.86
Q90/DA	4.02
Qmax/DA	7.80

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

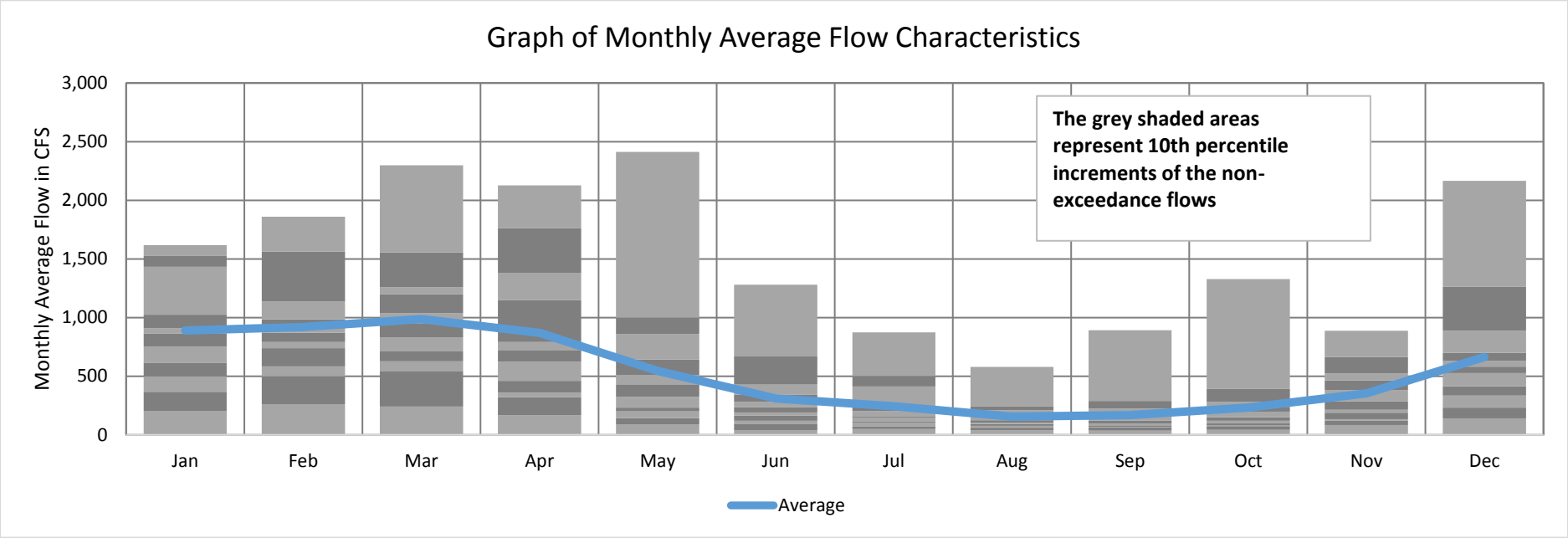
Site #: 03160105 Name: Luxapallila Creek Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	889	919	987	870	545	310	242	155	169	233	354	665
100%	1,617	1,859	2,299	2,126	2,412	1,280	873	580	893	1,327	887	2,165
98%	1,573	1,828	1,870	2,090	1,783	852	738	543	681	1,047	880	1,751
95%	1,557	1,652	1,727	1,941	1,288	719	677	309	383	702	857	1,449
90%	1,528	1,562	1,556	1,762	999	667	503	240	288	394	664	1,261
75%	1,184	1,011	1,244	1,247	687	367	307	201	212	254	516	774
50%	863	870	952	718	430	235	158	126	121	150	284	581
25%	586	685	632	409	209	154	110	87	72	87	158	357
10%	366	499	544	321	142	96	70	60	64	74	122	233
5%	258	419	404	266	107	79	50	49	58	64	112	172
2%	235	323	286	182	102	53	50	40	45	47	98	146
0%	205	262	242	167	90	41	48	38	35	43	83	140

Site #: 03160105 Name: Luxapallila Creek Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 309 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	889	919	987	870	545	310	242	155	169	233	354	665
100%	1,617	1,859	2,299	2,126	2,412	1,280	873	580	893	1,327	887	2,165
98%	1,573	1,828	1,870	2,090	1,783	852	738	543	681	1,047	880	1,751
95%	1,557	1,652	1,727	1,941	1,288	719	677	309	383	702	857	1,449
90%	1,528	1,562	1,556	1,762	999	667	503	240	288	394	664	1,261
75%	1,184	1,011	1,244	1,247	687	367	307	201	212	254	516	774
50%	863	870	952	718	430	235	158	126	121	150	284	581
25%	586	685	632	409	209	154	110	87	72	87	158	357
10%	366	499	544	321	142	96	70	60	64	74	122	233
5%	258	419	404	266	107	79	50	49	58	64	112	172
2%	235	323	286	182	102	53	50	40	45	47	98	146
0%	205	262	242	167	90	41	48	38	35	43	83	140

Monthly Flows (in CFS) for
03160106 - Upper Tombigbee River Subbasin

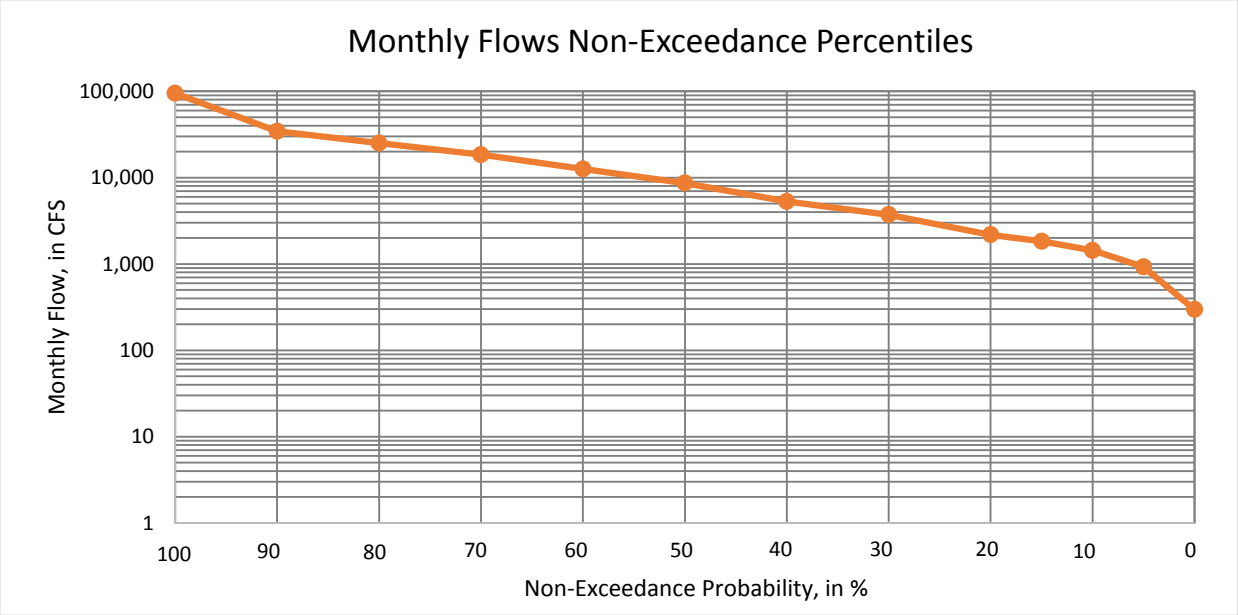
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	49,503	37,722	49,369	34,187	14,725	9,073	5,334	10,994	4,120	18,777	8,084	13,108	21,195
1976	24,396	24,626	45,517	38,117	18,136	6,119	2,915	2,076	3,801	1,975	2,833	10,802	15,057
1977	24,023	9,918	55,168	40,896	4,212	1,988	2,002	1,692	4,437	12,581	19,155	24,760	16,793
1978	21,550	11,457	23,329	5,660	31,703	9,764	1,922	944	454	465	999	4,759	9,457
1979	40,994	23,630	36,101	56,361	13,564	8,528	11,423	2,864	20,615	4,345	20,131	20,447	21,514
1980	26,985	20,498	59,751	68,319	22,373	4,962	1,847	1,115	1,144	3,464	7,449	5,627	18,592
1981	2,879	12,553	12,901	18,448	3,918	4,312	1,252	783	1,120	1,049	931	3,449	5,230
1982	30,740	21,773	15,980	35,502	7,092	3,575	3,531	4,384	1,264	2,033	4,200	55,537	15,463
1983	38,270	57,745	51,788	75,328	50,426	14,749	5,198	1,163	1,665	1,457	10,917	55,499	30,177
1984	28,443	17,602	23,175	29,594	35,926	2,269	1,736	1,823	432	7,741	8,457	11,139	14,041
1985	8,492	40,168	9,238	10,247	17,219	4,184	2,894	4,431	2,019	6,325	5,846	7,983	9,719
1986	3,750	8,916	13,438	2,817	4,235	8,998	1,230	1,044	949	2,526	19,604	20,865	7,344
1987	22,184	26,043	34,293	5,899	3,582	3,782	1,914	773	927	594	1,765	3,982	8,732
1988	9,178	12,145	7,590	13,014	2,090	709	1,532	758	2,851	5,387	9,215	8,532	6,030
1989	45,353	30,228	39,985	18,374	14,261	26,582	22,351	3,166	2,952	8,327	12,526	9,571	19,432
1990	47,296	67,365	32,264	9,255	11,711	7,130	2,025	843	697	886	1,642	34,610	17,717
1991	18,427	47,221	34,502	59,164	94,529	31,611	3,462	2,555	2,213	1,562	3,568	30,264	27,296
1992	9,400	16,007	15,214	8,515	1,856	4,787	2,934	5,456	4,919	1,542	17,800	18,128	8,820
1993	28,152	19,914	16,158	21,756	16,367	3,186	2,091	3,891	1,929	1,654	5,182	8,814	10,713
1994	15,593	33,024	33,803	25,544	4,357	11,217	18,848	3,230	2,918	6,363	7,210	19,976	15,065
1995	20,233	22,966	45,530	30,082	8,467	3,630	2,657	4,003	915	3,115	8,841	20,316	14,195
1996	28,853	23,073	25,571	25,549	4,295	4,091	4,363	4,018	4,072	2,716	8,697	26,007	13,394
1997	33,371	28,722	30,176	11,636	24,908	38,663	9,286	3,871	1,963	4,168	5,554	15,343	17,242
1998	45,732	29,260	30,407	15,199	6,996	2,988	6,364	5,615	1,131	1,339	2,420	16,174	13,597
1999	39,827	31,801	27,497	15,567	9,632	7,233	6,811	660	632	991	1,479	2,396	11,945
2000	5,496	5,105	10,636	41,784	2,092	1,491	634	442	296	444	4,193	7,469	6,629
2001	22,093	30,321	34,543	21,679	3,543	12,822	2,104	2,293	6,374	11,645	4,819	37,443	15,735
2002	31,194	20,202	24,378	17,698	19,871	1,789	3,005	1,289	7,464	14,201	20,352	25,693	15,598
2003	11,616	48,644	32,390	28,288	38,299	17,634	9,506	12,102	5,156	4,180	12,051	14,317	19,317
2004	17,745	49,797	27,142	8,821	6,087	16,588	13,923	3,376	4,254	7,468	23,693	46,518	18,589
2005	15,963	21,770	15,281	26,900	4,831	18,830	12,953	5,540	13,246	2,284	3,263	12,339	12,662
2006	27,816	38,805	21,302	4,120	9,579	1,445	865	746	1,448	7,187	11,545	6,706	10,804
2007	26,517	10,924	6,812	3,374	1,283	713	1,816	595	1,134	1,829	1,586	2,449	4,905
2008	4,447	19,233	15,212	13,370	12,490	3,185	783	3,104	2,540	2,348	1,913	34,319	9,377
2009	32,304	7,834	50,641	12,540	27,739	4,386	1,465	2,808	21,454	34,744	14,898	28,647	20,127
2010	26,439	25,136	20,702	10,952	21,867	5,013	1,989	1,631	1,088	787	2,180	4,837	10,155
2011	13,161	8,972	29,473	37,327	11,129	1,983	1,533	1,520	5,712	977	2,163	14,081	10,671
2012	18,708	18,849	25,006	7,671	3,833	1,277	2,338	2,131	4,990	5,683	2,145	16,357	9,058
2013	40,530	29,695	25,047	26,158	17,908	5,143	6,682	3,474	2,190	1,637	3,904	14,244	14,653
2014	11,234	24,865	16,327	42,803	10,949	12,388	4,545	1,473	1,275	5,349	5,769	18,405	12,822

Non-Exceedance Percentiles

03160106 - Upper Tombigbee River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	2,879	5,105	6,812	2,817	1,283	709	634	442	296	444	931	2,396	4,905
5th %	4,412	8,862	9,156	4,082	2,078	1,249	861	657	453	587	1,455	3,399	5,990
10th %	8,192	9,823	12,674	5,875	3,398	1,486	1,250	757	690	876	1,636	4,681	7,272
15th %	9,367	11,377	14,946	8,389	3,795	1,954	1,522	781	925	989	1,891	5,508	8,807
20th %	11,539	12,472	15,268	9,168	4,153	2,213	1,696	923	1,060	1,281	2,160	7,316	9,313
30th %	17,210	19,118	19,390	12,269	4,688	3,458	1,920	1,251	1,141	1,614	3,134	9,344	10,516
40th %	21,023	21,261	23,958	15,420	7,917	4,147	2,065	1,667	1,578	2,010	4,197	12,801	12,375
Median	24,210	23,351	26,356	20,064	11,039	4,874	2,776	2,212	2,105	2,621	5,661	14,830	13,819
60th %	27,317	25,499	30,268	25,793	13,843	6,523	3,187	2,960	2,878	4,173	7,703	18,239	15,060
70th %	29,419	29,855	33,950	29,740	17,426	9,021	4,741	3,405	4,086	5,476	8,954	20,573	16,053
80th %	34,351	33,963	36,878	37,485	21,968	12,475	6,708	4,006	4,934	7,243	12,146	26,535	18,590
90th %	41,430	47,363	49,496	44,159	32,125	17,753	11,576	5,464	6,483	11,738	19,200	34,894	20,234
Maximum	49,503	67,365	59,751	75,328	94,529	38,663	22,351	12,102	21,454	34,744	23,693	55,537	30,177
Average	24,222	25,863	28,091	24,463	15,452	8,220	4,752	2,867	3,719	5,054	7,724	18,298	13,997

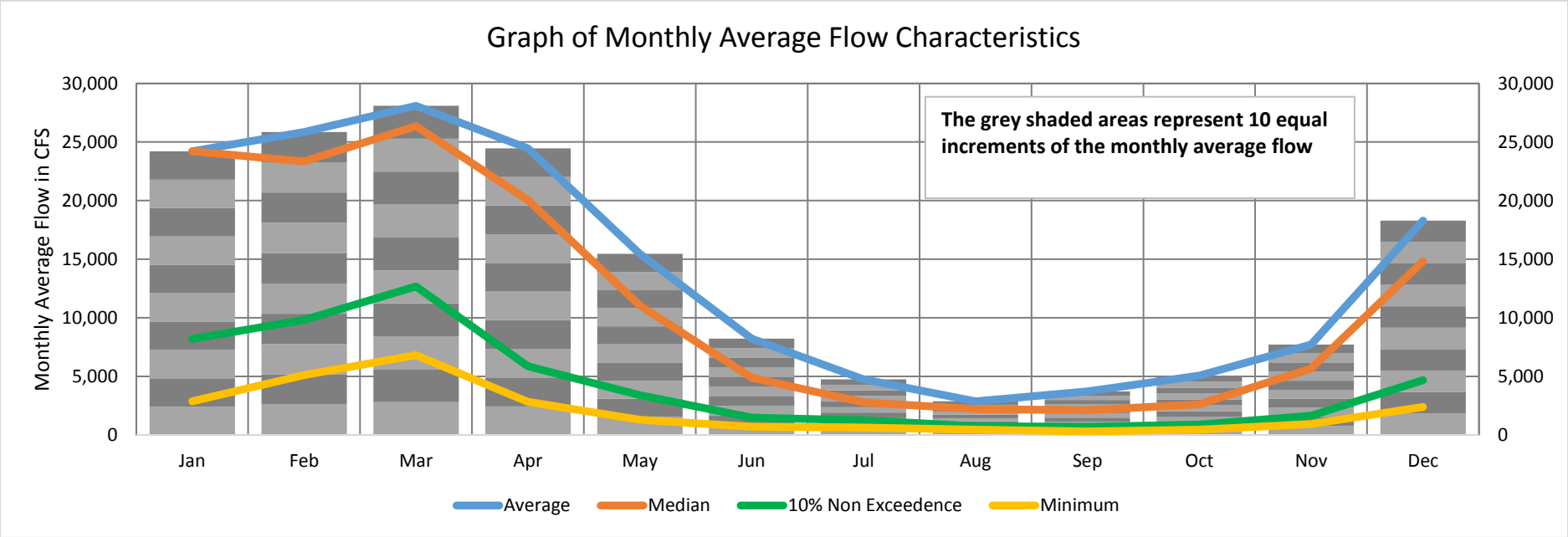
	Flows in CFS
Minimum	296.0
5th %	926
10th %	1,434
15th %	1,828
20th %	2,176
30th %	3,714
40th %	5,279
Median	8,615
60th %	12,564
70th %	18,434
80th %	25,014
90th %	34,337
Maximum	94,529
Average	14,060



Q10/Q50	0.17
Q10/Q90	0.04
	CFSM*
Qmin/DA	0.03
Q5/DA	0.10
Q10/DA	0.16
Q15/DA	0.20
Q20/DA	0.24
Q30/DA	0.41
Q40/DA	0.58
Q50/DA	0.95
Q60/DA	1.38
Q70/DA	2.03
Q80/DA	2.76
Q90/DA	3.78
Qmax/DA	10.41

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

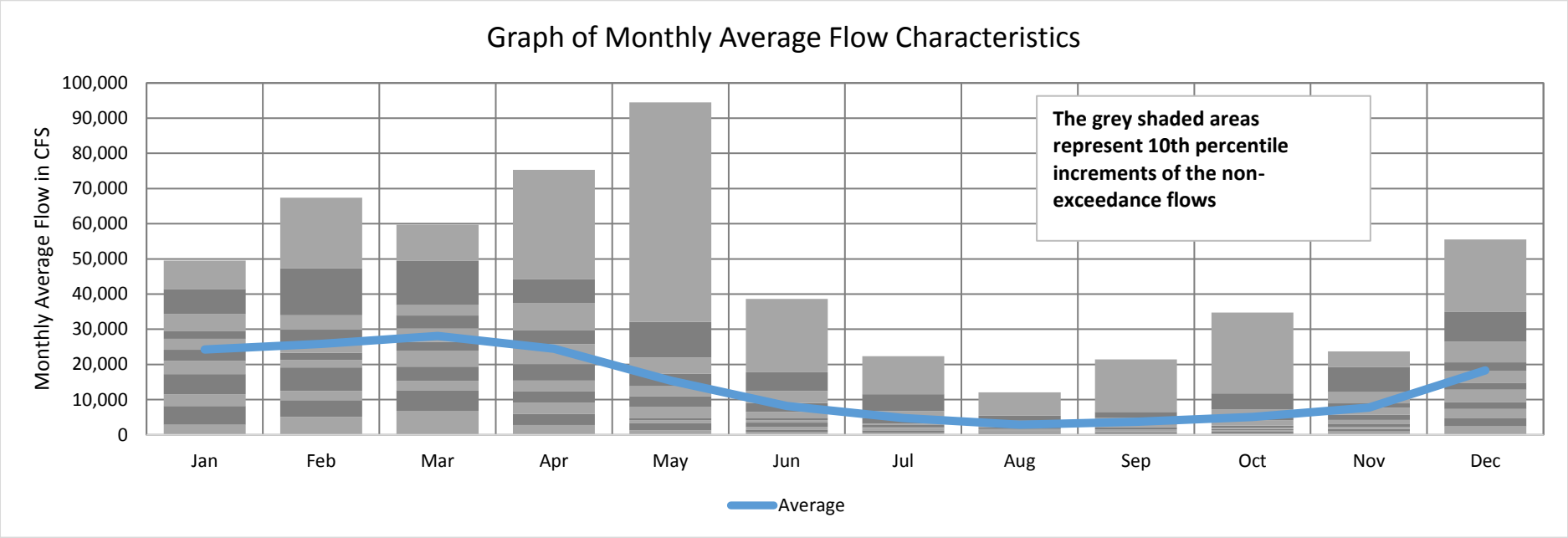
Site #: 03160106 Name: Upper Tombigbee River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	24,222	25,863	28,091	24,463	15,452	8,220	4,752	2,867	3,719	5,054	7,724	18,298
100%	49,503	67,365	59,751	75,328	94,529	38,663	22,351	12,102	21,454	34,744	23,693	55,537
98%	47,781	59,861	56,176	69,861	60,129	33,163	19,619	11,238	20,799	22,290	21,087	55,508
95%	45,810	50,194	51,957	59,621	38,905	26,833	14,169	5,884	13,615	14,429	20,142	46,967
90%	41,430	47,363	49,496	44,159	32,125	17,753	11,576	5,464	6,483	11,738	19,200	34,894
75%	31,471	30,691	34,512	34,516	18,570	10,127	5,591	3,876	4,300	6,334	11,074	24,994
50%	24,210	23,351	26,356	20,064	11,039	4,874	2,776	2,212	2,105	2,621	5,661	14,830
25%	14,985	17,203	16,114	10,776	4,280	3,136	1,839	1,097	1,128	1,521	2,360	8,395
10%	8,192	9,823	12,674	5,875	3,398	1,486	1,250	757	690	876	1,636	4,681
5%	4,412	8,862	9,156	4,082	2,078	1,249	861	657	453	587	1,455	3,399
2%	3,559	7,233	7,419	3,252	1,730	712	750	562	402	460	984	2,437
0%	2,879	5,105	6,812	2,817	1,283	709	634	442	296	444	931	2,396

Site #: 03160106 Name: Upper Tombigbee River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 9,078 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	24,222	25,863	28,091	24,463	15,452	8,220	4,752	2,867	3,719	5,054	7,724	18,298
100%	49,503	67,365	59,751	75,328	94,529	38,663	22,351	12,102	21,454	34,744	23,693	55,537
98%	47,781	59,861	56,176	69,861	60,129	33,163	19,619	11,238	20,799	22,290	21,087	55,508
95%	45,810	50,194	51,957	59,621	38,905	26,833	14,169	5,884	13,615	14,429	20,142	46,967
90%	41,430	47,363	49,496	44,159	32,125	17,753	11,576	5,464	6,483	11,738	19,200	34,894
75%	31,471	30,691	34,512	34,516	18,570	10,127	5,591	3,876	4,300	6,334	11,074	24,994
50%	24,210	23,351	26,356	20,064	11,039	4,874	2,776	2,212	2,105	2,621	5,661	14,830
25%	14,985	17,203	16,114	10,776	4,280	3,136	1,839	1,097	1,128	1,521	2,360	8,395
10%	8,192	9,823	12,674	5,875	3,398	1,486	1,250	757	690	876	1,636	4,681
5%	4,412	8,862	9,156	4,082	2,078	1,249	861	657	453	587	1,455	3,399
2%	3,559	7,233	7,419	3,252	1,730	712	750	562	402	460	984	2,437
0%	2,879	5,105	6,812	2,817	1,283	709	634	442	296	444	931	2,396

Monthly Flows (in CFS) for
03160107 - Sipsey River Subbasin

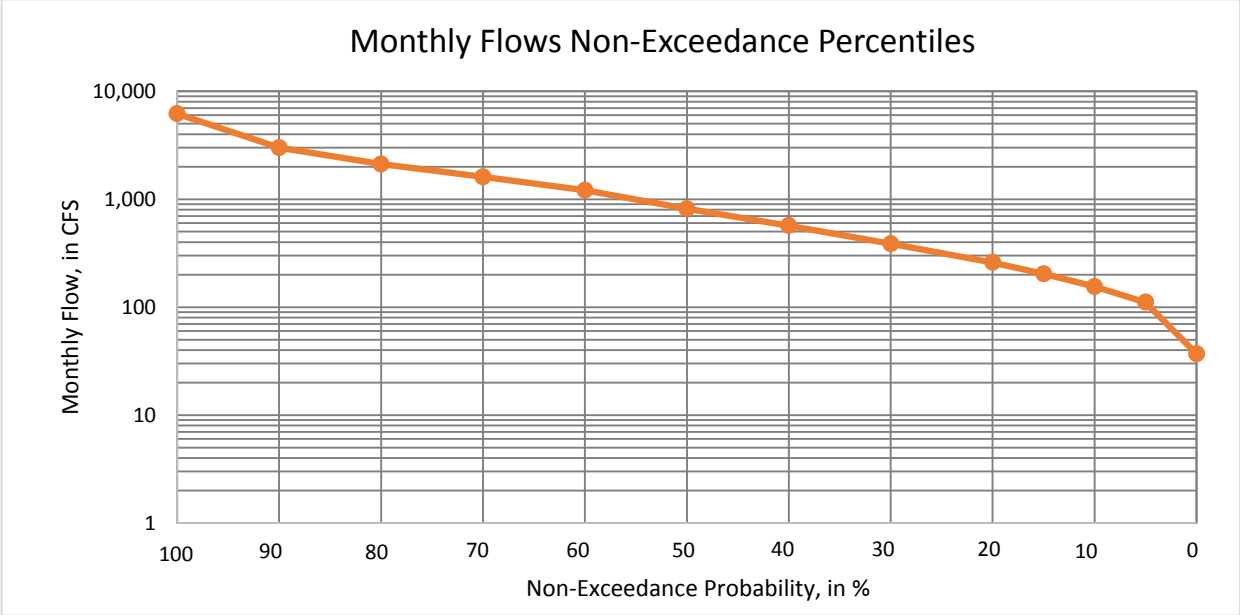
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	3,524	3,752	3,032	1,219	1,373	556	863	1,347	400	2,311	485	1,132	1,660
1976	2,299	1,781	4,245	1,305	2,916	687	444	218	260	196	324	959	1,306
1977	2,335	1,739	3,859	3,742	287	161	265	264	623	2,072	1,927	1,453	1,558
1978	2,017	879	1,934	660	2,072	946	203	188	112	92	150	608	825
1979	3,981	1,894	3,534	5,353	857	419	477	251	1,582	445	1,492	1,541	1,814
1980	2,344	1,795	5,613	4,972	2,355	611	300	176	148	398	824	1,321	1,739
1981	572	1,355	1,364	2,396	316	335	126	120	75	114	132	482	608
1982	3,002	2,291	1,594	2,616	717	375	375	431	125	208	538	3,868	1,342
1983	1,737	3,926	4,439	4,214	3,325	995	365	228	218	236	725	5,113	2,118
1984	2,453	1,578	2,042	2,959	2,642	366	262	230	94	355	668	1,835	1,291
1985	817	3,072	892	900	1,838	411	364	811	269	501	552	750	918
1986	495	879	1,169	348	296	755	134	98	83	206	580	1,348	531
1987	2,108	2,444	2,775	677	290	251	182	70	60	44	99	217	760
1988	973	1,164	607	969	272	92	106	64	300	523	1,005	952	581
1989	3,761	1,976	3,002	1,783	786	2,194	1,677	290	227	758	1,165	986	1,549
1990	3,838	6,091	3,230	1,176	1,319	962	387	149	102	133	232	2,949	1,690
1991	1,612	3,833	2,619	5,240	6,191	1,792	690	402	362	230	575	1,457	2,070
1992	1,068	1,362	1,519	776	275	399	389	707	989	246	1,476	1,800	914
1993	3,027	1,609	1,560	1,577	1,145	363	412	209	227	125	495	904	969
1994	1,484	3,831	2,901	2,703	526	464	733	531	291	465	620	1,783	1,344
1995	1,515	1,957	3,154	1,969	923	322	266	232	148	643	1,461	1,949	1,208
1996	2,759	2,378	2,189	2,017	665	466	734	541	561	473	1,321	1,796	1,319
1997	2,726	2,273	2,231	870	1,783	2,972	1,273	534	198	335	655	1,201	1,417
1998	4,347	2,307	2,692	2,139	638	297	722	583	161	138	325	1,076	1,283
1999	3,767	2,886	2,104	1,175	799	584	677	114	88	142	196	304	1,061
2000	858	762	2,350	3,779	292	137	69	69	37	47	283	385	752
2001	1,371	2,356	3,366	2,088	563	1,453	283	184	1,025	1,121	551	3,301	1,467
2002	2,005	1,969	1,453	1,298	1,815	290	639	209	297	1,149	2,560	2,189	1,320
2003	1,314	3,978	3,097	1,585	4,431	1,902	1,140	1,224	532	455	702	1,485	1,810
2004	1,442	4,294	2,390	889	537	1,034	1,146	398	428	305	1,466	3,671	1,483
2005	1,263	1,538	1,464	2,291	612	1,866	1,101	347	795	497	319	1,172	1,099
2006	2,470	3,777	2,219	863	783	162	85	102	138	658	1,973	681	1,142
2007	2,261	987	771	411	210	93	203	120	150	89	128	183	466
2008	386	1,650	1,992	871	1,185	437	111	183	155	157	174	2,847	844
2009	4,105	1,077	3,871	2,219	1,807	478	189	426	1,453	3,107	1,826	3,139	1,987
2010	2,071	2,435	2,580	1,534	2,234	586	257	191	107	95	253	690	1,080
2011	1,654	1,116	3,388	3,055	783	167	152	164	1,255	177	316	1,239	1,121
2012	2,605	1,854	1,912	504	423	188	227	288	533	685	300	1,266	897
2013	3,903	2,383	1,977	1,960	1,777	440	1,916	763	248	195	354	1,218	1,428
2014	1,238	2,162	1,376	3,235	1,189	593	297	172	145	275	440	1,637	1,054

Non-Exceedance Percentiles

03160107 - Sipsey River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	386	762	607	348	210	92	69	64	37	44	99	183	466
5th %	568	879	886	500	275	135	105	70	74	87	132	300	578
10th %	854	1,068	1,345	675	290	162	125	102	87	95	171	472	738
15th %	1,054	1,157	1,441	850	295	185	149	119	101	123	227	670	815
20th %	1,258	1,361	1,508	871	402	282	188	143	111	137	277	738	886
30th %	1,471	1,637	1,927	1,113	597	355	248	181	147	189	322	978	1,028
40th %	1,704	1,830	2,079	1,302	757	406	276	202	159	222	467	1,190	1,113
Median	2,089	1,973	2,290	1,684	828	452	365	229	227	290	552	1,294	1,287
60th %	2,339	2,297	2,648	2,045	1,186	567	399	274	278	417	634	1,468	1,329
70th %	2,641	2,399	3,011	2,323	1,779	634	650	400	373	481	755	1,787	1,439
80th %	3,126	3,208	3,257	2,978	1,885	969	733	531	539	646	1,349	1,997	1,579
90th %	3,844	3,842	3,860	3,823	2,669	1,799	1,141	713	992	1,124	1,526	3,155	1,810
Maximum	4,347	6,091	5,613	5,353	6,191	2,972	1,916	1,347	1,582	3,107	2,560	5,113	2,118
Average	2,188	2,285	2,463	2,008	1,331	690	506	341	375	510	742	1,572	1,246

	Flows in CFS
Minimum	36.9
5th %	111
10th %	155
15th %	203
20th %	259
30th %	386
40th %	568
Median	814
60th %	1,208
70th %	1,610
80th %	2,114
90th %	3,002
Maximum	6,191
Average	1,251

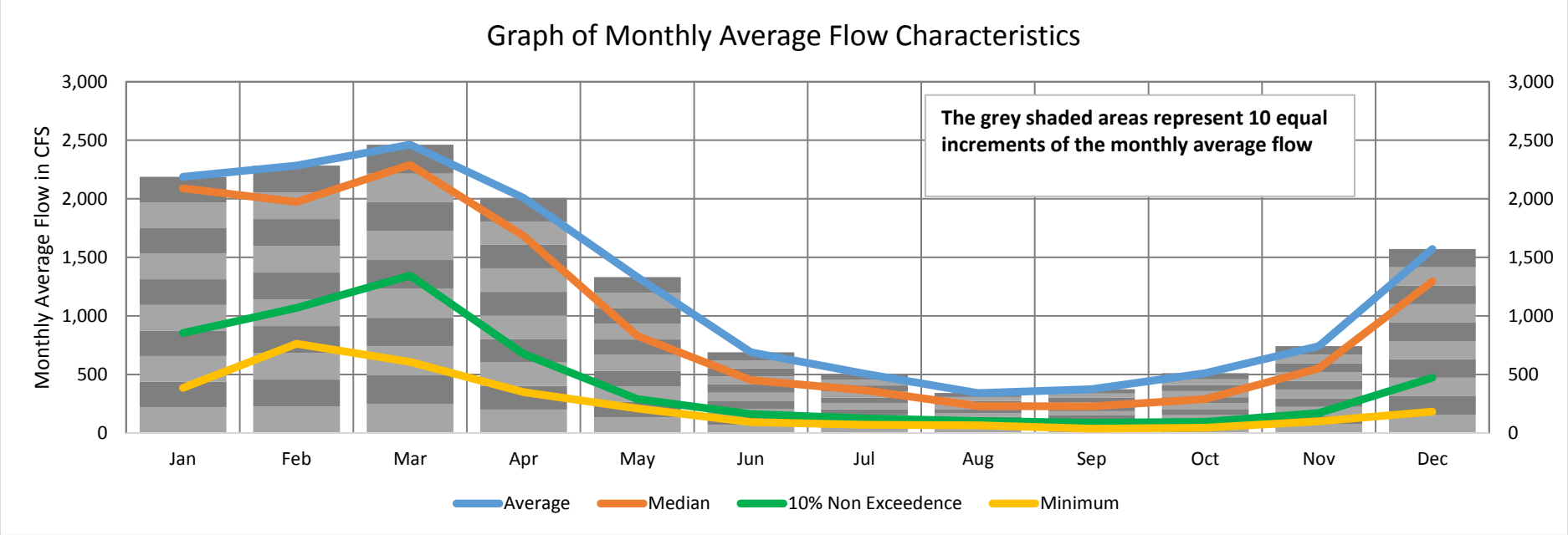


Q10/Q50	0.19
Q10/Q90	0.05
	CFSM*
Qmin/DA	0.05
Q5/DA	0.14
Q10/DA	0.20
Q15/DA	0.26
Q20/DA	0.34
Q30/DA	0.50
Q40/DA	0.74
Q50/DA	1.06
Q60/DA	1.57
Q70/DA	2.09
Q80/DA	2.75
Q90/DA	3.90
Qmax/DA	8.05

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

Site #: 03160107 Name: Sipsey River Subbasin
Period of Record: Jan-1975 - Dec-2014

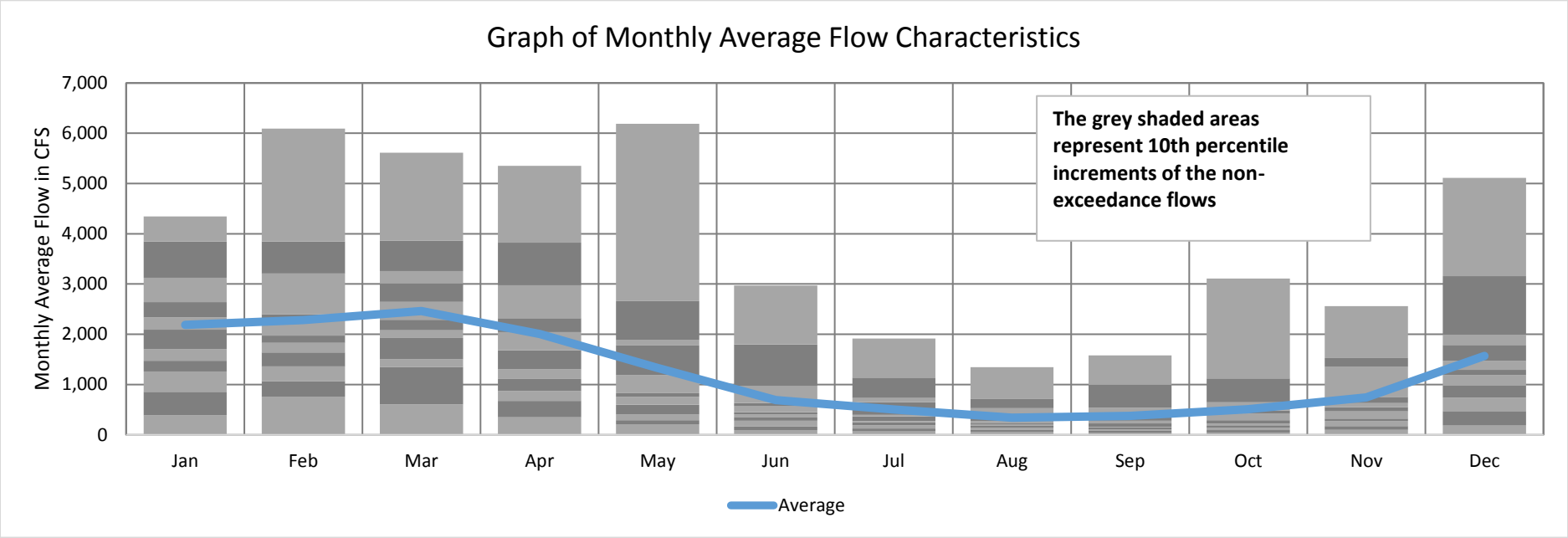
STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,188	2,285	2,463	2,008	1,331	690	506	341	375	510	742	1,572
100%	4,347	6,091	5,613	5,353	6,191	2,972	1,916	1,347	1,582	3,107	2,560	5,113
98%	4,158	4,689	4,697	5,265	4,819	2,365	1,729	1,251	1,481	2,486	2,102	4,142
95%	3,987	3,994	4,255	4,985	3,381	1,916	1,293	831	1,265	2,084	1,929	3,681
90%	3,844	3,842	3,860	3,823	2,669	1,799	1,141	713	992	1,124	1,526	3,155
75%	2,820	2,555	3,111	2,638	1,809	803	698	427	454	507	1,045	1,809
50%	2,089	1,973	2,290	1,684	828	452	365	229	227	290	552	1,294
25%	1,356	1,568	1,586	897	534	316	203	170	135	153	312	940
10%	854	1,068	1,345	675	290	162	125	102	87	95	171	472
5%	568	879	886	500	275	135	105	70	74	87	132	300
2%	471	853	735	397	259	93	82	68	55	47	122	210
0%	386	762	607	348	210	92	69	64	37	44	99	183

Site #: 03160107 Name: Sipsey River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 769 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,188	2,285	2,463	2,008	1,331	690	506	341	375	510	742	1,572
100%	4,347	6,091	5,613	5,353	6,191	2,972	1,916	1,347	1,582	3,107	2,560	5,113
98%	4,158	4,689	4,697	5,265	4,819	2,365	1,729	1,251	1,481	2,486	2,102	4,142
95%	3,987	3,994	4,255	4,985	3,381	1,916	1,293	831	1,265	2,084	1,929	3,681
90%	3,844	3,842	3,860	3,823	2,669	1,799	1,141	713	992	1,124	1,526	3,155
75%	2,820	2,555	3,111	2,638	1,809	803	698	427	454	507	1,045	1,809
50%	2,089	1,973	2,290	1,684	828	452	365	229	227	290	552	1,294
25%	1,356	1,568	1,586	897	534	316	203	170	135	153	312	940
10%	854	1,068	1,345	675	290	162	125	102	87	95	171	472
5%	568	879	886	500	275	135	105	70	74	87	132	300
2%	471	853	735	397	259	93	82	68	55	47	122	210
0%	386	762	607	348	210	92	69	64	37	44	99	183

Monthly Flows (in CFS) for
03160108 - Noxubee River Subbasin

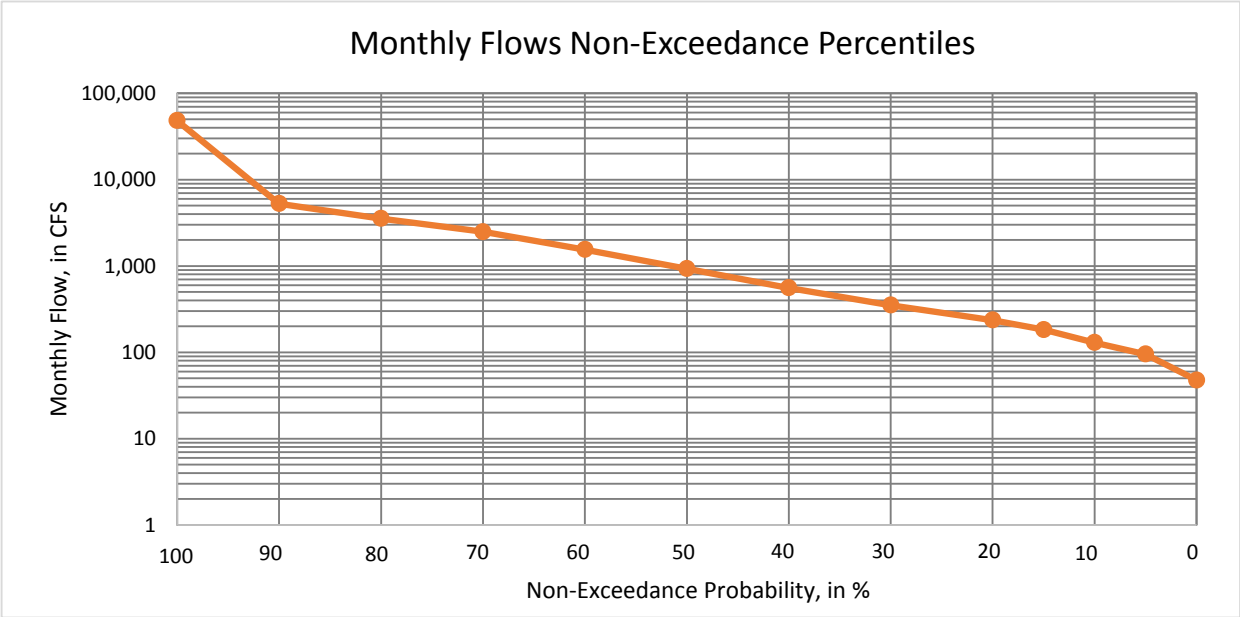
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	6,538	6,118	7,167	3,104	1,686	987	707	1,383	250	3,147	349	1,777	2,758
1976	3,063	2,470	12,055	4,625	1,698	495	421	177	396	117	161	1,477	2,271
1977	4,316	1,468	8,720	9,404	310	132	378	203	1,584	2,015	3,031	3,290	2,909
1978	3,561	1,354	2,704	403	5,188	892	204	121	87	81	82	263	1,254
1979	8,097	4,532	7,769	48,051	1,042	274	1,141	470	3,795	278	2,038	2,425	6,601
1980	3,934	2,807	9,268	9,716	2,934	559	286	192	250	507	927	604	2,662
1981	597	1,027	1,551	2,390	187	347	153	170	219	376	253	449	638
1982	2,164	2,356	1,802	3,744	489	681	276	515	235	468	478	6,680	1,656
1983	4,154	9,625	7,785	9,536	7,769	1,915	558	175	259	509	1,369	5,258	4,039
1984	3,482	2,622	2,690	2,801	3,404	191	215	497	197	642	1,138	1,225	1,589
1985	789	5,364	928	954	1,185	174	296	346	208	577	511	962	995
1986	645	585	1,499	272	457	569	95	106	106	466	1,863	2,291	748
1987	3,115	3,529	4,804	596	416	633	196	121	305	258	231	349	1,202
1988	657	1,070	697	1,403	117	78	400	282	327	555	2,020	1,017	713
1989	4,951	3,189	4,435	2,575	2,802	2,441	3,277	474	503	1,035	2,529	1,737	2,495
1990	7,569	8,966	3,997	983	530	595	224	240	425	76	108	2,356	2,135
1991	1,584	8,923	4,855	8,923	13,318	2,352	330	386	478	146	312	913	3,505
1992	1,546	3,055	1,000	1,618	182	821	183	1,092	318	83	2,832	2,790	1,278
1993	7,076	4,680	3,061	3,119	2,616	346	164	675	101	87	631	812	1,935
1994	3,611	6,366	4,638	4,185	270	667	1,674	278	355	819	589	3,090	2,186
1995	2,865	3,101	6,807	4,049	797	442	176	274	101	669	1,441	3,239	1,993
1996	5,546	3,718	4,837	2,700	282	294	359	333	191	130	312	1,463	1,672
1997	4,787	6,351	2,972	2,831	1,438	3,660	996	607	156	269	1,000	3,549	2,357
1998	9,750	4,798	3,659	2,493	389	192	457	292	84	81	111	1,054	1,937
1999	5,727	5,337	3,972	831	286	320	312	95	82	107	78	169	1,423
2000	437	254	607	5,684	143	129	87	61	48	50	382	780	716
2001	3,120	3,086	6,845	2,054	200	1,167	154	289	1,571	2,373	1,093	4,346	2,192
2002	4,110	3,769	3,452	1,636	263	141	213	220	1,997	3,339	3,241	4,887	2,266
2003	1,850	9,766	5,420	6,762	1,916	2,401	2,128	666	274	449	1,300	1,443	2,810
2004	2,591	10,418	2,784	979	711	1,352	2,208	428	382	569	4,146	5,262	2,599
2005	1,692	4,823	2,944	5,092	855	4,644	3,486	1,011	1,995	218	130	686	2,270
2006	2,974	6,274	5,537	568	1,412	124	126	113	98	1,459	1,109	1,009	1,710
2007	3,573	1,625	524	192	101	83	284	94	88	84	78	151	569
2008	291	3,619	2,126	1,646	1,564	368	85	911	316	437	93	5,830	1,432
2009	5,445	773	7,688	2,783	3,539	698	232	390	4,877	6,345	2,091	5,303	3,376
2010	5,043	4,921	5,497	1,245	2,056	451	236	153	96	75	203	439	1,688
2011	1,135	1,688	5,885	4,499	632	133	273	144	932	100	93	1,442	1,411
2012	2,318	2,945	5,154	643	452	174	1,036	516	1,014	541	138	3,326	1,521
2013	7,973	7,778	5,002	4,669	2,084	625	708	429	343	119	751	2,307	2,703
2014	1,480	4,790	3,996	10,314	1,939	1,413	255	126	104	193	351	2,482	2,258

Non-Exceedance Percentiles

03160108 - Noxubee River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	291	254	524	192	101	78	85	61	48	50	78	151	569
5th %	589	763	693	396	142	122	95	95	84	76	81	258	709
10th %	656	1,066	993	593	187	131	150	113	88	81	93	430	745
15th %	1,083	1,451	1,543	803	253	140	163	121	98	84	111	581	1,171
20th %	1,533	1,676	2,061	974	280	174	181	140	101	97	136	761	1,273
30th %	2,070	2,751	2,896	1,553	408	288	215	177	180	126	246	995	1,494
40th %	2,930	3,095	3,576	2,255	514	359	248	232	229	242	350	1,356	1,682
Median	3,301	3,668	4,216	2,742	826	527	285	286	266	406	550	1,607	1,965
60th %	3,740	4,724	4,844	3,110	1,422	628	342	362	321	483	956	2,326	2,218
70th %	4,457	5,045	5,443	4,279	1,764	735	432	441	386	559	1,187	2,880	2,297
80th %	5,465	6,289	6,814	5,210	2,190	1,204	766	515	589	699	1,894	3,370	2,670
90th %	7,125	8,927	7,771	9,417	3,417	2,357	1,720	699	1,625	2,051	2,559	5,258	2,956
Maximum	9,750	10,418	12,055	48,051	13,318	4,644	3,486	1,383	4,877	6,345	4,146	6,680	6,601
Average	3,604	4,249	4,428	4,502	1,691	849	625	376	629	746	990	2,223	2,062

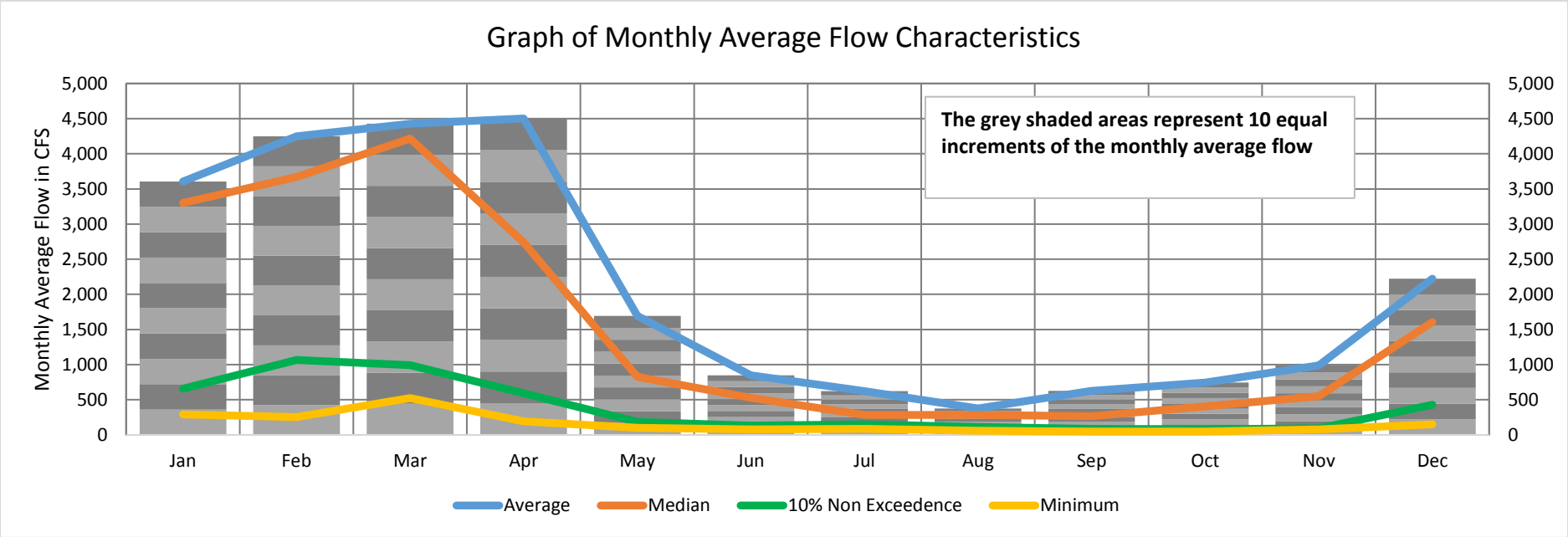
	Flows in CFS
Minimum	47.7
5th %	95
10th %	130
15th %	183
20th %	236
30th %	350
40th %	557
Median	930
60th %	1,548
70th %	2,485
80th %	3,541
90th %	5,266
Maximum	48,051
Average	2,076



Q10/Q50	0.14
Q10/Q90	0.02
	CFSM*
Qmin/DA	0.03
Q5/DA	0.07
Q10/DA	0.09
Q15/DA	0.13
Q20/DA	0.16
Q30/DA	0.24
Q40/DA	0.38
Q50/DA	0.64
Q60/DA	1.06
Q70/DA	1.70
Q80/DA	2.43
Q90/DA	3.61
Qmax/DA	32.91

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

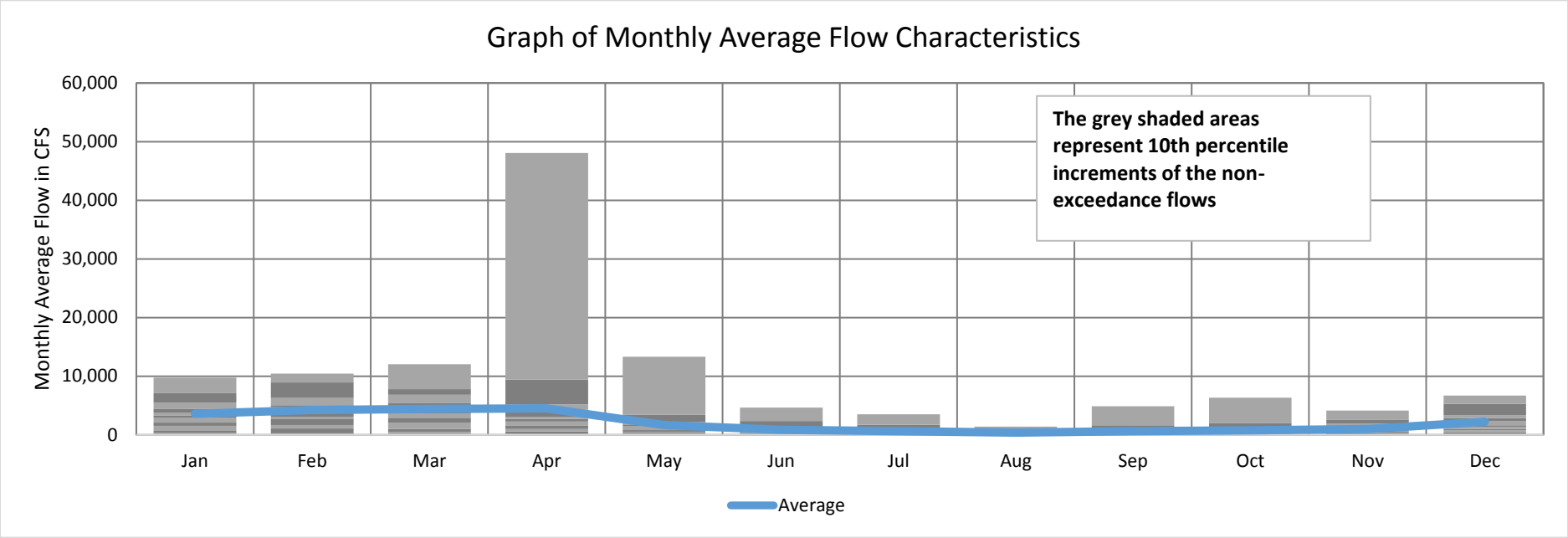
Site #: 03160108 Name: Noxubee River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	3,604	4,249	4,428	4,502	1,691	849	625	376	629	746	990	2,223
100%	9,750	10,418	12,055	48,051	13,318	4,644	3,486	1,383	4,877	6,345	4,146	6,680
98%	8,460	9,910	9,881	18,616	8,990	3,876	3,323	1,156	4,033	4,000	3,440	6,017
95%	7,979	9,632	8,748	9,746	5,317	2,502	2,261	1,015	2,086	3,156	3,041	5,330
90%	7,125	8,927	7,771	9,417	3,417	2,357	1,720	699	1,625	2,051	2,559	5,258
75%	4,974	5,553	5,624	4,636	1,968	916	595	480	438	593	1,387	3,252
50%	3,301	3,668	4,216	2,742	826	527	285	286	266	406	550	1,607
25%	1,665	2,442	2,700	1,179	304	192	202	166	105	114	192	888
10%	656	1,066	993	593	187	131	150	113	88	81	93	430
5%	589	763	693	396	142	122	95	95	84	76	81	258
2%	405	512	588	254	114	82	86	87	75	70	78	165
0%	291	254	524	192	101	78	85	61	48	50	78	151

Site #: 03160108 Name: Noxubee River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 1,460 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	3,604	4,249	4,428	4,502	1,691	849	625	376	629	746	990	2,223
100%	9,750	10,418	12,055	48,051	13,318	4,644	3,486	1,383	4,877	6,345	4,146	6,680
98%	8,460	9,910	9,881	18,616	8,990	3,876	3,323	1,156	4,033	4,000	3,440	6,017
95%	7,979	9,632	8,748	9,746	5,317	2,502	2,261	1,015	2,086	3,156	3,041	5,330
90%	7,125	8,927	7,771	9,417	3,417	2,357	1,720	699	1,625	2,051	2,559	5,258
75%	4,974	5,553	5,624	4,636	1,968	916	595	480	438	593	1,387	3,252
50%	3,301	3,668	4,216	2,742	826	527	285	286	266	406	550	1,607
25%	1,665	2,442	2,700	1,179	304	192	202	166	105	114	192	888
10%	656	1,066	993	593	187	131	150	113	88	81	93	430
5%	589	763	693	396	142	122	95	95	84	76	81	258
2%	405	512	588	254	114	82	86	87	75	70	78	165
0%	291	254	524	192	101	78	85	61	48	50	78	151

Monthly Flows (in CFS) for
03160109 - Mulberry Fork Subbasin

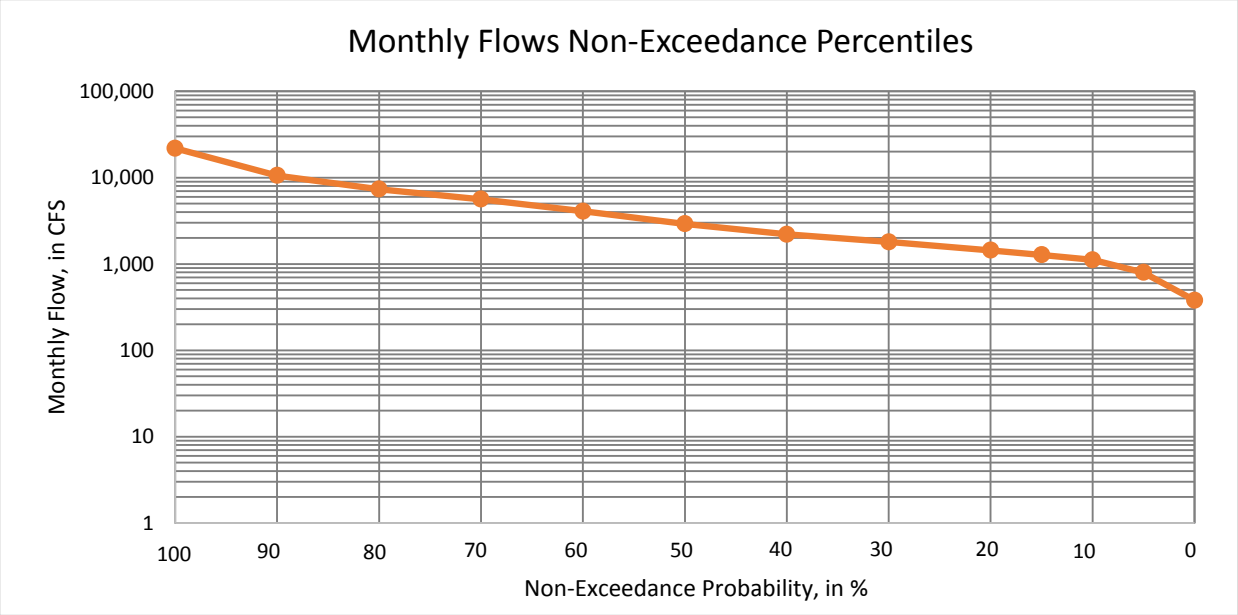
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	11,047	12,014	12,198	6,505	4,300	2,282	3,366	3,646	1,805	6,717	2,724	5,162	5,960
1976	7,856	5,836	13,025	5,109	9,251	2,560	2,116	1,635	1,902	1,135	1,348	3,438	4,611
1977	7,388	4,195	14,405	13,033	1,578	1,746	1,860	1,782	2,700	7,324	7,238	6,624	5,832
1978	7,285	4,318	4,972	1,663	6,656	3,571	1,796	1,729	1,415	796	792	1,905	3,078
1979	10,883	7,741	12,147	18,940	3,356	2,235	3,257	1,924	3,775	2,030	6,731	5,163	6,490
1980	7,696	5,729	21,814	16,025	7,245	2,075	1,831	1,638	1,933	2,289	3,605	4,517	6,377
1981	2,526	5,028	6,257	5,573	1,002	2,205	1,667	1,504	1,504	897	643	2,071	2,554
1982	9,767	10,173	5,574	9,506	2,964	3,361	2,290	2,209	1,119	866	1,977	10,661	5,008
1983	6,734	13,125	12,194	14,622	10,733	3,164	1,932	1,731	1,464	869	2,668	16,881	7,146
1984	7,033	6,134	6,219	10,581	8,704	1,786	1,739	1,701	1,045	963	1,831	4,107	4,311
1985	2,620	9,272	2,560	2,259	4,936	1,840	3,414	3,022	1,558	2,420	2,552	3,374	3,284
1986	1,899	3,467	3,329	953	1,306	2,286	1,388	1,246	1,438	1,296	2,538	4,430	2,124
1987	9,065	9,781	9,838	2,364	1,382	2,164	1,931	1,445	1,247	489	709	1,683	3,477
1988	4,408	4,140	1,943	2,994	1,002	1,136	1,116	1,240	1,957	1,803	4,052	3,334	2,412
1989	11,408	8,722	11,787	6,139	2,441	6,903	8,546	1,634	2,277	2,521	4,606	4,488	5,944
1990	11,999	21,847	12,378	2,918	3,299	1,948	1,697	1,440	1,217	614	759	5,793	5,400
1991	5,749	9,813	7,596	14,904	16,356	2,634	1,639	1,523	1,298	757	1,111	4,165	5,602
1992	3,077	5,160	3,436	1,942	776	1,634	1,873	2,520	2,585	1,207	5,694	6,281	2,998
1993	10,409	5,545	6,029	4,190	4,652	1,708	1,535	1,324	1,405	699	801	2,205	3,372
1994	7,074	11,054	14,210	10,313	1,905	1,893	2,751	2,265	1,725	2,170	3,209	7,051	5,435
1995	5,903	7,893	11,255	5,231	2,493	1,686	1,365	1,439	1,272	3,428	6,269	6,779	4,568
1996	10,477	8,111	9,960	6,009	2,244	1,940	2,791	2,005	2,183	1,131	3,133	5,845	4,639
1997	10,499	8,673	8,584	2,214	6,608	13,146	4,620	2,126	1,792	2,690	2,164	4,216	5,594
1998	15,276	11,994	10,538	8,693	2,178	1,732	1,835	2,040	1,157	853	799	3,416	5,007
1999	11,262	8,263	7,349	4,108	3,310	2,744	2,255	1,243	1,144	674	680	947	3,644
2000	2,962	1,985	13,646	14,213	1,157	1,138	1,107	1,167	911	473	1,268	1,347	3,450
2001	5,203	7,258	14,141	11,192	2,017	3,564	1,672	1,979	6,124	4,025	3,226	11,938	6,018
2002	9,222	6,777	5,421	4,430	7,325	1,630	2,526	1,460	2,303	3,191	7,518	8,115	4,990
2003	4,695	12,178	10,074	4,367	18,014	3,626	2,657	2,227	1,787	1,016	2,331	2,900	5,461
2004	4,624	12,928	6,611	1,916	1,678	3,808	3,572	1,597	2,506	1,195	7,817	11,962	4,964
2005	4,933	4,243	4,637	8,232	1,778	6,424	4,571	2,283	2,076	876	908	3,309	3,677
2006	5,719	9,245	4,937	3,600	3,726	1,337	1,213	1,508	1,126	1,749	4,212	2,627	3,378
2007	6,091	3,090	1,589	1,175	579	821	1,173	1,111	902	413	422	427	1,477
2008	680	3,827	5,439	2,975	5,414	1,597	1,341	1,434	1,131	525	545	6,460	2,616
2009	13,159	4,550	11,051	6,873	7,331	2,588	1,578	1,926	7,512	11,275	6,431	11,894	7,217
2010	7,750	8,390	7,984	5,528	7,674	2,165	1,497	1,297	697	380	411	1,309	3,736
2011	5,164	3,318	12,655	13,636	2,614	1,306	1,716	1,801	4,707	674	1,374	5,989	4,582
2012	12,333	6,515	5,874	1,921	1,274	942	1,577	1,818	2,668	2,242	1,305	3,890	3,525
2013	15,861	9,529	6,794	6,948	8,161	1,958	5,138	3,893	1,680	480	1,008	4,373	5,480
2014	5,299	7,527	3,449	9,378	2,902	3,943	1,773	1,421	1,338	2,971	1,633	6,916	4,017

Non-Exceedance Percentiles

03160109 - Mulberry Fork Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	680	1,985	1,589	953	579	821	1,107	1,111	697	380	411	427	1,477
5th %	2,494	3,307	2,529	1,638	991	1,127	1,170	1,236	910	470	539	1,291	2,397
10th %	2,928	3,791	3,425	1,921	1,142	1,289	1,328	1,246	1,111	488	677	1,650	2,609
15th %	4,209	4,186	4,458	2,173	1,301	1,558	1,385	1,320	1,131	601	752	2,046	3,066
20th %	4,681	4,303	4,965	2,343	1,539	1,633	1,527	1,431	1,154	674	797	2,543	3,354
30th %	5,271	5,429	5,784	3,418	1,983	1,742	1,659	1,455	1,290	836	1,080	3,362	3,511
40th %	6,016	6,363	6,469	4,405	2,472	1,921	1,730	1,567	1,429	889	1,364	4,020	3,904
Median	7,179	7,634	7,790	5,551	3,132	2,119	1,833	1,670	1,619	1,133	2,070	4,402	4,597
60th %	7,792	8,314	10,005	6,652	3,956	2,254	1,931	1,790	1,797	1,477	2,599	5,162	4,996
70th %	9,960	9,253	11,415	8,898	5,772	2,602	2,361	1,942	1,993	2,192	3,214	6,076	5,443
80th %	10,916	9,885	12,234	10,703	7,326	3,402	2,884	2,143	2,344	2,554	4,290	6,807	5,648
90th %	12,033	12,030	13,695	14,253	8,759	3,821	3,672	2,307	2,808	3,487	6,461	10,784	6,054
Maximum	15,861	21,847	21,814	18,940	18,014	13,146	8,546	3,893	7,512	11,275	7,817	16,881	7,217
Average	7,576	7,735	8,597	6,829	4,558	2,681	2,343	1,823	2,010	1,953	2,726	5,200	4,486

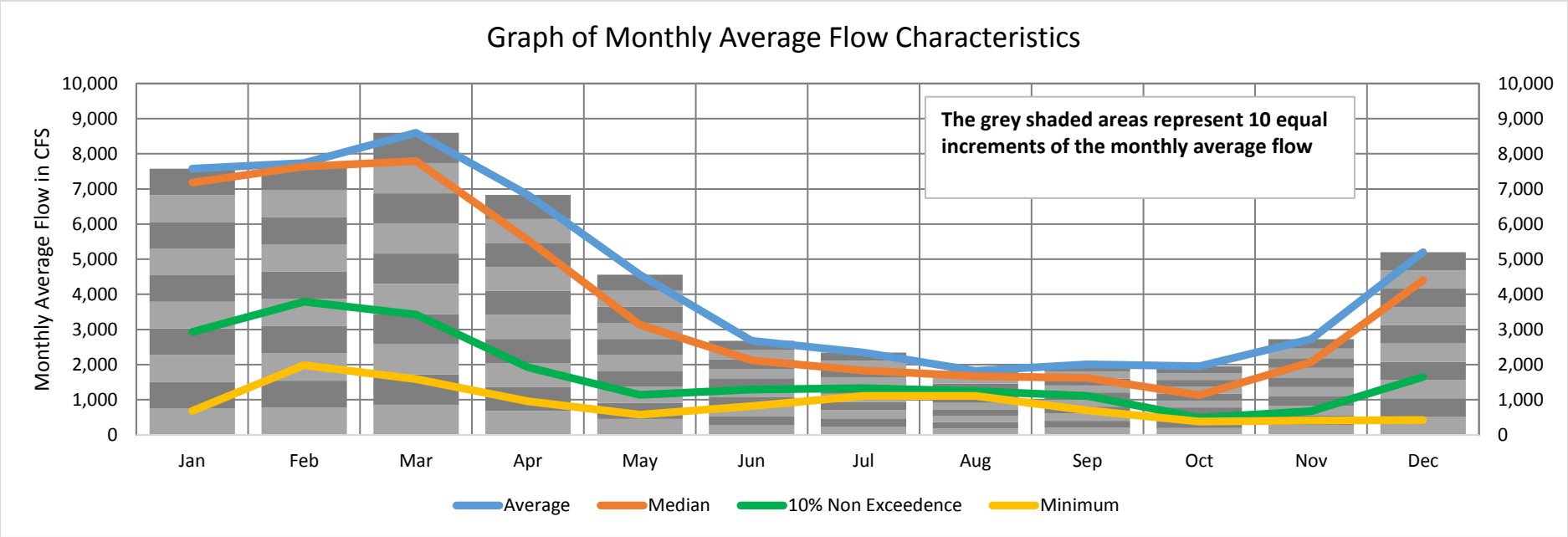
	Flows in CFS
Minimum	379.6
5th %	796
10th %	1,115
15th %	1,274
20th %	1,440
30th %	1,795
40th %	2,205
Median	2,910
60th %	4,074
70th %	5,610
80th %	7,326
90th %	10,589
Maximum	21,847
Average	4,503



Q10/Q50	0.38
Q10/Q90	0.11
	CFSM*
Qmin/DA	0.16
Q5/DA	0.33
Q10/DA	0.47
Q15/DA	0.53
Q20/DA	0.60
Q30/DA	0.75
Q40/DA	0.92
Q50/DA	1.22
Q60/DA	1.70
Q70/DA	2.35
Q80/DA	3.07
Q90/DA	4.43
Qmax/DA	9.14

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

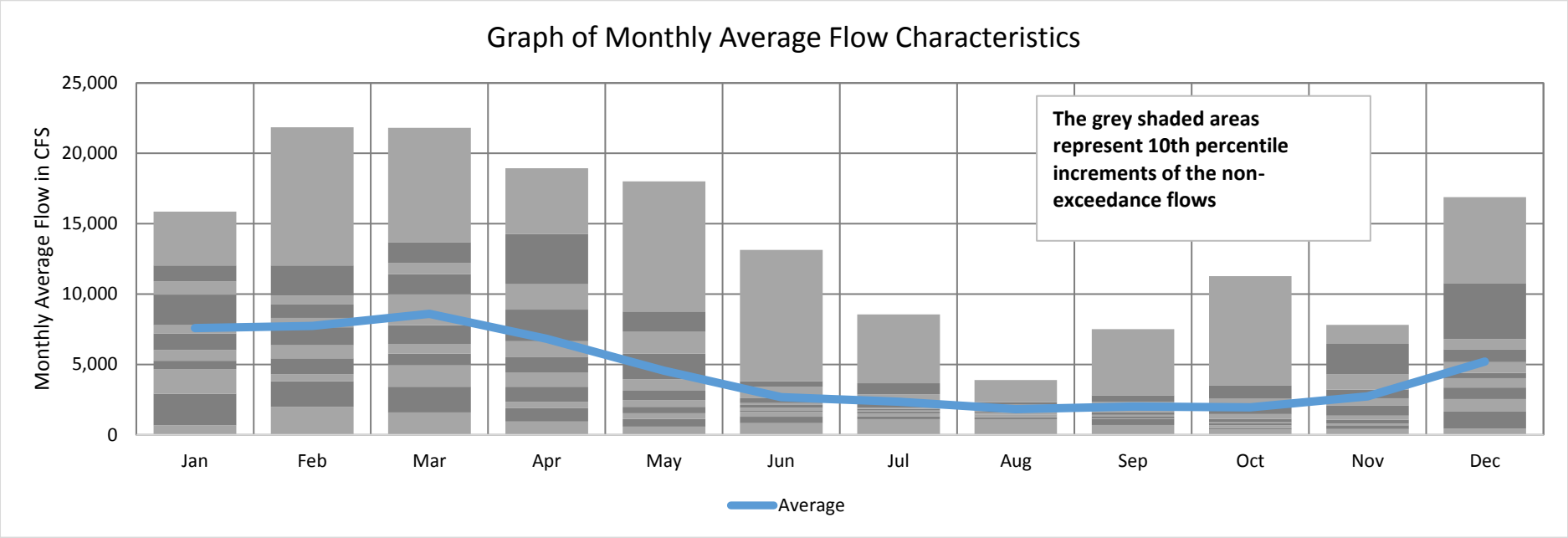
Site #: 03160109 Name: Mulberry Fork Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	7,576	7,735	8,597	6,829	4,558	2,681	2,343	1,823	2,010	1,953	2,726	5,200
100%	15,861	21,847	21,814	18,940	18,014	13,146	8,546	3,893	7,512	11,275	7,817	16,881
98%	15,405	15,044	16,035	16,667	16,721	8,277	5,888	3,701	6,429	8,193	7,584	13,044
95%	13,265	12,938	14,220	14,960	11,014	6,448	4,645	3,053	4,778	6,747	7,252	11,939
90%	12,033	12,030	13,695	14,253	8,759	3,821	3,672	2,307	2,808	3,487	6,461	10,784
75%	10,482	9,592	12,159	9,708	6,803	2,849	2,681	2,014	2,207	2,321	3,717	6,501
50%	7,179	7,634	7,790	5,551	3,132	2,119	1,833	1,670	1,619	1,133	2,070	4,402
25%	5,107	4,908	5,434	2,961	1,753	1,702	1,578	1,440	1,240	743	881	3,207
10%	2,928	3,791	3,425	1,921	1,142	1,289	1,328	1,246	1,111	488	677	1,650
5%	2,494	3,307	2,529	1,638	991	1,127	1,170	1,236	910	470	539	1,291
2%	1,631	2,847	1,865	1,126	732	916	1,114	1,154	856	405	419	832
0%	680	1,985	1,589	953	579	821	1,107	1,111	697	380	411	427

Site #: 03160109 Name: Mulberry Fork Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 2,390 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	7,576	7,735	8,597	6,829	4,558	2,681	2,343	1,823	2,010	1,953	2,726	5,200
100%	15,861	21,847	21,814	18,940	18,014	13,146	8,546	3,893	7,512	11,275	7,817	16,881
98%	15,405	15,044	16,035	16,667	16,721	8,277	5,888	3,701	6,429	8,193	7,584	13,044
95%	13,265	12,938	14,220	14,960	11,014	6,448	4,645	3,053	4,778	6,747	7,252	11,939
90%	12,033	12,030	13,695	14,253	8,759	3,821	3,672	2,307	2,808	3,487	6,461	10,784
75%	10,482	9,592	12,159	9,708	6,803	2,849	2,681	2,014	2,207	2,321	3,717	6,501
50%	7,179	7,634	7,790	5,551	3,132	2,119	1,833	1,670	1,619	1,133	2,070	4,402
25%	5,107	4,908	5,434	2,961	1,753	1,702	1,578	1,440	1,240	743	881	3,207
10%	2,928	3,791	3,425	1,921	1,142	1,289	1,328	1,246	1,111	488	677	1,650
5%	2,494	3,307	2,529	1,638	991	1,127	1,170	1,236	910	470	539	1,291
2%	1,631	2,847	1,865	1,126	732	916	1,114	1,154	856	405	419	832
0%	680	1,985	1,589	953	579	821	1,107	1,111	697	380	411	427

Monthly Flows (in CFS) for
03160110 - Sipsey Fork Subbasin

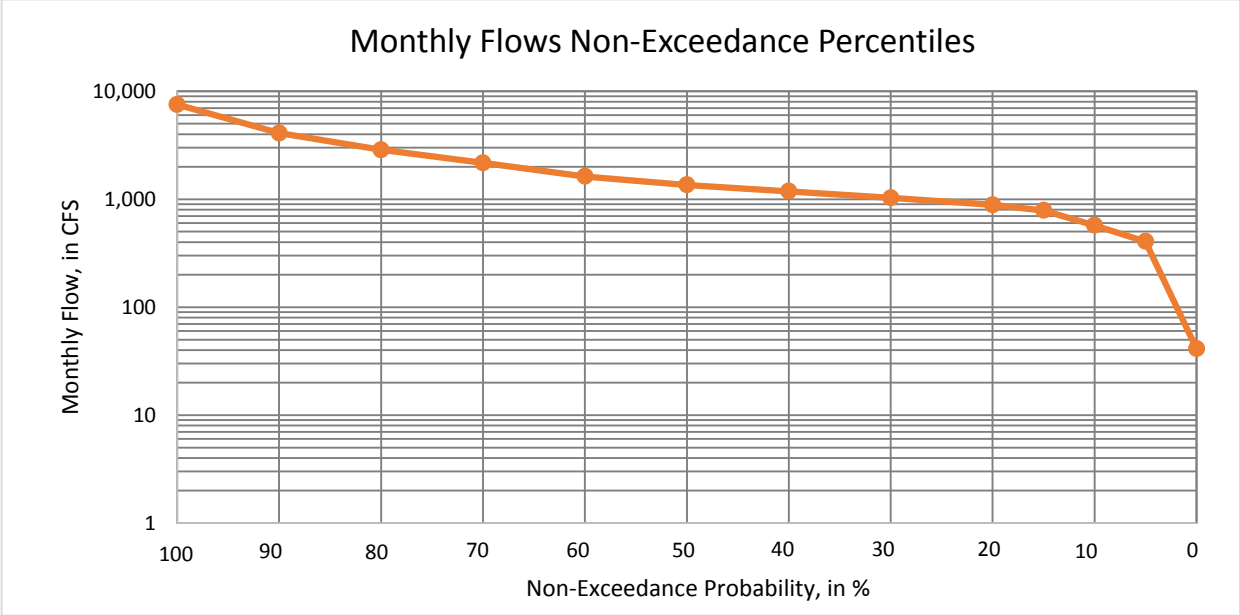
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	3,679	3,669	3,916	3,450	1,609	1,188	1,265	1,601	887	2,173	1,353	2,589	2,276
1976	2,468	2,053	5,306	2,732	4,942	1,215	1,099	1,155	1,394	785	784	1,430	2,120
1977	3,027	1,192	4,792	5,145	997	1,414	1,474	1,419	1,363	2,880	2,171	3,680	2,473
1978	2,981	2,470	1,402	478	2,790	1,905	1,414	1,384	1,182	627	590	915	1,509
1979	3,865	3,093	5,042	7,405	1,773	1,426	2,158	1,275	786	1,130	2,497	2,819	2,767
1980	2,668	2,452	6,108	7,528	3,234	1,340	1,458	1,308	813	822	1,113	2,713	2,630
1981	1,672	1,825	2,208	2,000	443	1,291	1,316	1,195	1,205	533	289	557	1,206
1982	2,267	3,897	2,511	3,233	1,498	2,173	1,554	1,355	881	619	953	4,249	2,088
1983	3,390	5,365	4,749	6,170	4,098	1,795	1,409	1,358	1,122	581	969	6,230	3,091
1984	2,787	2,753	1,987	4,394	2,623	1,174	1,271	1,230	851	264	332	2,349	1,829
1985	1,069	3,036	993	499	1,653	1,243	1,709	1,634	1,166	1,393	1,504	1,652	1,454
1986	923	1,000	832	370	406	1,311	1,078	1,008	1,169	789	777	2,038	976
1987	4,216	3,349	4,660	1,111	783	1,447	1,000	1,175	1,007	377	442	795	1,691
1988	1,564	1,706	816	709	452	922	877	1,045	805	853	1,493	1,626	1,068
1989	2,900	2,741	4,974	2,294	1,041	2,229	3,344	1,014	1,519	1,154	2,153	2,302	2,305
1990	3,087	6,484	5,176	1,248	1,078	929	1,119	1,192	1,018	448	485	1,503	1,955
1991	2,734	2,585	1,904	5,176	6,459	1,231	1,104	1,108	914	535	572	1,252	2,129
1992	984	913	556	374	277	627	1,135	1,291	1,400	816	2,024	2,194	1,050
1993	3,632	2,283	1,922	1,910	2,320	1,022	1,137	1,044	1,125	552	402	730	1,504
1994	2,102	2,690	4,724	5,050	853	1,161	1,356	1,528	1,143	825	1,565	2,906	2,153
1995	2,108	2,879	4,991	2,112	1,285	1,058	1,074	1,142	986	1,503	2,465	2,540	2,009
1996	3,447	4,103	4,448	2,489	1,156	970	1,738	1,305	896	559	1,173	1,705	1,989
1997	4,110	3,480	4,022	1,004	2,325	4,723	2,124	1,502	1,227	861	979	1,841	2,345
1998	6,024	5,229	5,027	3,668	1,180	1,051	1,211	1,242	901	650	513	1,183	2,308
1999	4,057	4,015	3,323	1,489	1,066	1,169	1,282	1,010	967	519	413	609	1,648
2000	1,232	655	7,117	6,983	619	808	894	938	765	376	154	41	1,719
2001	1,481	2,073	6,196	5,186	813	1,575	1,022	1,313	3,240	2,012	1,796	5,481	2,684
2002	4,232	3,259	1,692	1,890	2,900	959	1,379	1,022	1,269	1,013	2,936	3,215	2,142
2003	2,126	3,496	4,874	1,560	7,445	2,003	1,552	1,399	997	691	1,199	1,339	2,391
2004	1,720	4,039	2,570	847	897	1,452	1,708	1,164	1,514	441	2,860	4,635	1,974
2005	2,569	1,392	1,952	3,510	812	2,681	2,332	1,448	1,244	576	432	1,188	1,677
2006	1,570	4,285	1,742	1,361	1,512	1,009	1,004	1,245	735	175	1,308	1,054	1,397
2007	2,187	1,197	520	414	286	663	891	939	658	310	270	289	717
2008	266	1,264	1,348	1,461	2,532	1,022	1,047	1,004	871	344	336	1,376	1,073
2009	4,209	1,886	4,481	2,580	2,200	1,246	1,123	1,094	3,703	5,340	3,578	5,318	3,076
2010	2,769	3,856	2,729	2,084	2,929	1,145	1,002	966	545	267	152	455	1,563
2011	1,865	976	4,093	5,019	1,353	907	1,122	1,030	812	313	225	1,622	1,615
2012	5,441	3,122	1,715	1,020	613	528	965	1,235	1,617	1,032	863	1,024	1,592
2013	5,613	3,799	2,549	2,596	3,114	1,110	3,109	2,171	1,249	300	586	1,339	2,292
2014	2,826	1,967	1,048	3,588	1,437	2,009	1,260	1,132	1,061	1,934	733	2,660	1,803

Non-Exceedance Percentiles

03160110 - Sipsey Fork Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	266	655	520	370	277	528	877	938	545	175	152	41	717
5th %	981	973	803	412	400	662	894	965	731	267	222	447	1,046
10th %	1,216	1,173	977	497	451	897	997	1,007	784	309	287	604	1,072
15th %	1,551	1,254	1,303	827	618	928	1,004	1,013	811	339	336	785	1,368
20th %	1,652	1,643	1,634	1,017	806	968	1,042	1,028	843	377	411	1,002	1,494
30th %	2,106	2,027	1,917	1,431	967	1,043	1,103	1,104	894	529	505	1,233	1,608
40th %	2,388	2,463	2,390	1,902	1,125	1,155	1,130	1,160	978	569	676	1,408	1,708
Median	2,752	2,747	3,026	2,203	1,395	1,201	1,262	1,212	1,040	638	908	1,639	1,964
60th %	2,932	3,105	4,235	2,650	1,626	1,264	1,332	1,257	1,152	800	1,137	2,101	2,101
70th %	3,407	3,485	4,732	3,534	2,322	1,418	1,427	1,309	1,212	855	1,395	2,554	2,190
80th %	3,903	3,864	4,978	5,025	2,812	1,619	1,585	1,387	1,288	1,135	1,841	2,837	2,315
90th %	4,217	4,121	5,189	5,285	3,320	2,025	2,127	1,505	1,514	1,942	2,468	4,288	2,636
Maximum	6,024	6,484	7,117	7,528	7,445	4,723	3,344	2,171	3,703	5,340	3,578	6,230	3,091
Average	2,797	2,813	3,276	2,804	1,895	1,378	1,403	1,241	1,175	934	1,136	2,086	1,907

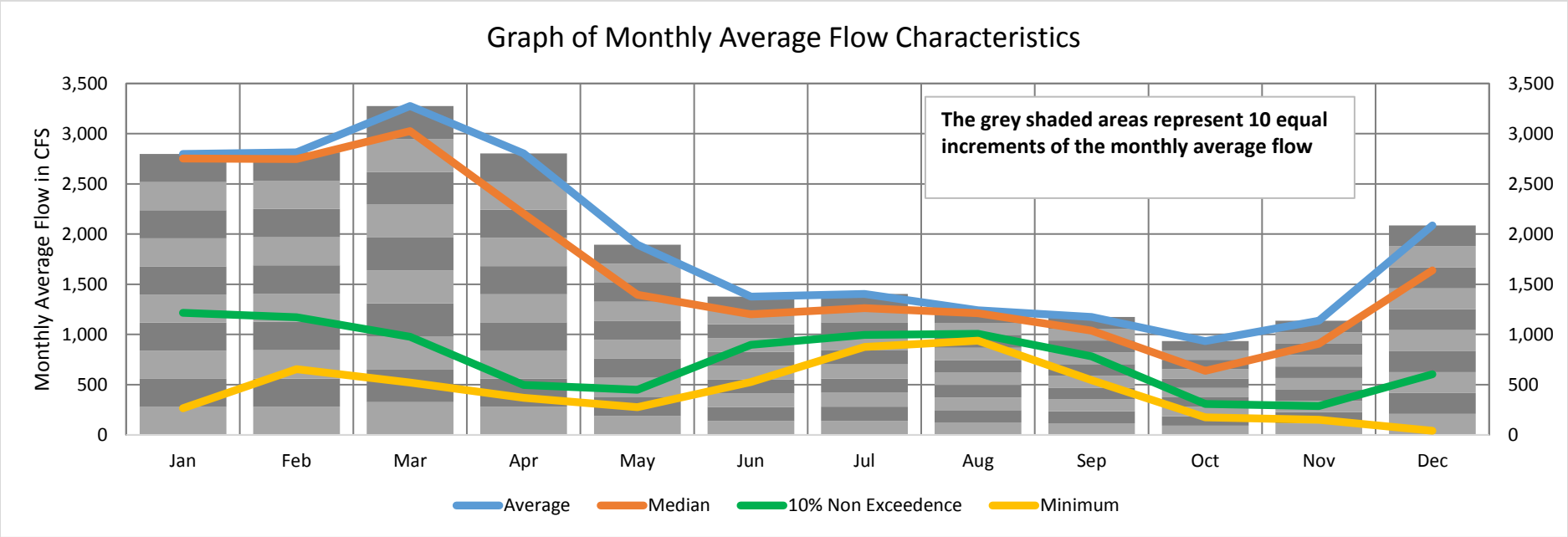
	Flows in CFS
Minimum	41.2
5th %	406
10th %	571
15th %	785
20th %	886
30th %	1,028
40th %	1,182
Median	1,357
60th %	1,624
70th %	2,171
80th %	2,864
90th %	4,099
Maximum	7,528
Average	1,911



Q10/Q50	0.42
Q10/Q90	0.14
	CFSM*
Qmin/DA	0.04
Q5/DA	0.40
Q10/DA	0.57
Q15/DA	0.78
Q20/DA	0.88
Q30/DA	1.02
Q40/DA	1.17
Q50/DA	1.34
Q60/DA	1.61
Q70/DA	2.15
Q80/DA	2.84
Q90/DA	4.06
Qmax/DA	7.45

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

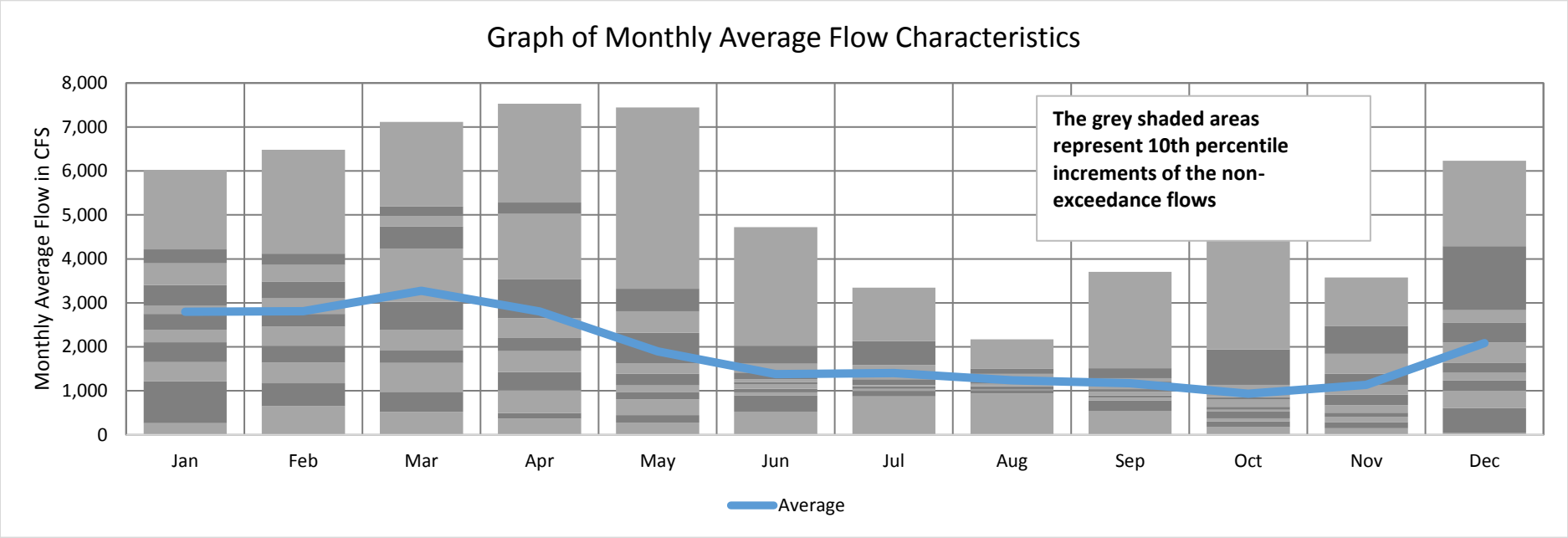
Site #: 03160110 Name: Sipsey Fork Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,797	2,813	3,276	2,804	1,895	1,378	1,403	1,241	1,175	934	1,136	2,086
100%	6,024	6,484	7,117	7,528	7,445	4,723	3,344	2,171	3,703	5,340	3,578	6,230
98%	5,704	5,611	6,399	7,432	6,676	3,130	3,161	1,752	3,342	3,421	3,077	5,646
95%	5,450	5,236	6,112	7,004	5,018	2,251	2,371	1,602	1,699	2,208	2,864	5,326
90%	4,217	4,121	5,189	5,285	3,320	2,025	2,127	1,505	1,514	1,942	2,468	4,288
75%	3,644	3,701	4,813	3,850	2,555	1,448	1,493	1,356	1,245	1,018	1,519	2,673
50%	2,752	2,747	3,026	2,203	1,395	1,201	1,262	1,212	1,040	638	908	1,639
25%	1,829	1,871	1,736	1,214	843	1,019	1,077	1,045	878	446	440	1,150
10%	1,216	1,173	977	497	451	897	997	1,007	784	309	287	604
5%	981	973	803	412	400	662	894	965	731	267	222	447
2%	778	857	548	373	284	605	888	939	633	245	154	235
0%	266	655	520	370	277	528	877	938	545	175	152	41

Site #: 03160110 Name: Sipsey Fork Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 1,010 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,797	2,813	3,276	2,804	1,895	1,378	1,403	1,241	1,175	934	1,136	2,086
100%	6,024	6,484	7,117	7,528	7,445	4,723	3,344	2,171	3,703	5,340	3,578	6,230
98%	5,704	5,611	6,399	7,432	6,676	3,130	3,161	1,752	3,342	3,421	3,077	5,646
95%	5,450	5,236	6,112	7,004	5,018	2,251	2,371	1,602	1,699	2,208	2,864	5,326
90%	4,217	4,121	5,189	5,285	3,320	2,025	2,127	1,505	1,514	1,942	2,468	4,288
75%	3,644	3,701	4,813	3,850	2,555	1,448	1,493	1,356	1,245	1,018	1,519	2,673
50%	2,752	2,747	3,026	2,203	1,395	1,201	1,262	1,212	1,040	638	908	1,639
25%	1,829	1,871	1,736	1,214	843	1,019	1,077	1,045	878	446	440	1,150
10%	1,216	1,173	977	497	451	897	997	1,007	784	309	287	604
5%	981	973	803	412	400	662	894	965	731	267	222	447
2%	778	857	548	373	284	605	888	939	633	245	154	235
0%	266	655	520	370	277	528	877	938	545	175	152	41

Monthly Flows (in CFS) for
03160111 - Locust Fork Subbasin

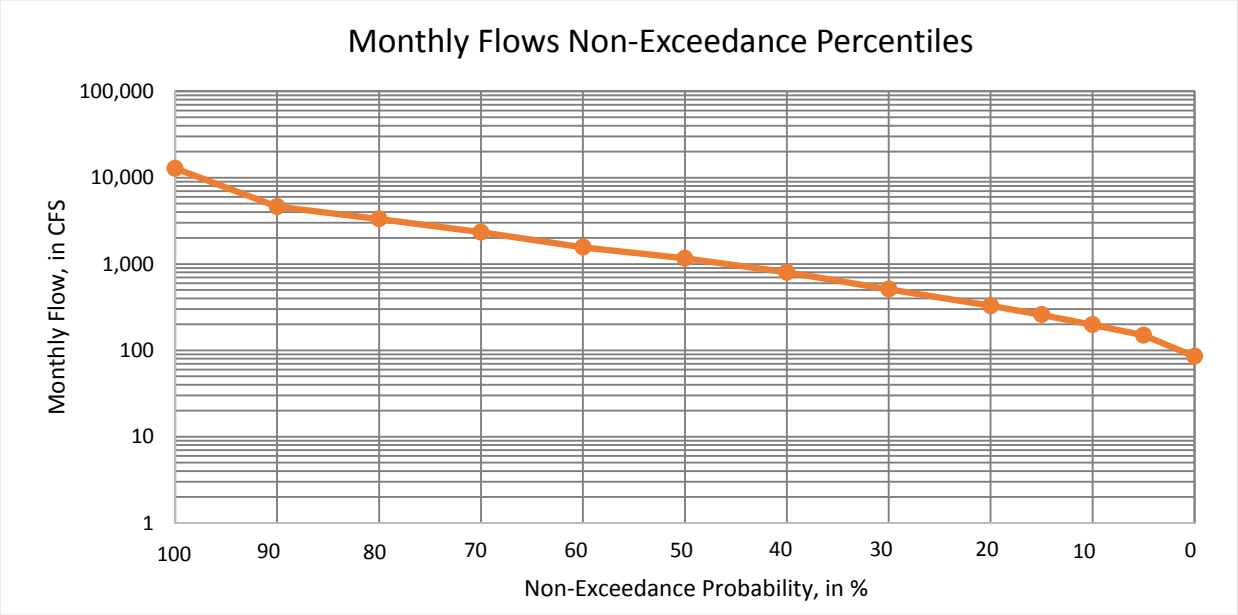
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	5,172	6,356	5,972	2,258	1,405	719	1,434	1,488	1,053	2,004	1,224	1,798	2,556
1976	5,050	2,522	8,122	2,973	2,853	1,404	775	480	571	268	445	1,895	2,288
1977	3,362	2,084	7,335	6,356	592	281	339	260	1,617	3,918	4,405	2,103	2,721
1978	4,292	1,363	2,912	1,041	3,151	930	373	547	218	123	219	960	1,352
1979	4,608	3,482	5,895	9,462	1,373	1,002	511	609	3,343	1,058	3,061	968	2,929
1980	3,310	2,983	12,808	6,155	3,277	663	288	246	976	1,345	1,375	1,004	2,875
1981	522	3,159	3,075	2,760	442	684	308	361	444	194	183	1,528	1,123
1982	5,626	4,775	2,410	4,423	1,363	1,209	700	537	227	335	540	6,251	2,355
1983	2,160	5,237	3,950	5,492	5,965	1,164	328	167	149	201	1,488	7,870	2,836
1984	3,211	1,896	2,671	4,359	3,370	408	243	436	132	260	683	1,111	1,564
1985	950	4,947	1,344	1,113	1,524	342	2,566	1,067	252	634	975	1,461	1,411
1986	902	1,516	1,224	392	528	477	178	247	324	493	1,645	1,514	781
1987	962	3,343	4,603	1,538	432	682	1,232	165	144	93	185	365	1,133
1988	2,078	1,955	1,026	1,685	419	115	197	119	1,310	734	1,989	1,279	1,066
1989	5,761	3,372	5,131	2,990	1,136	4,112	3,796	339	623	1,153	2,009	1,765	2,679
1990	5,615	10,194	4,776	1,042	1,045	486	318	135	126	114	197	1,096	2,047
1991	1,564	3,891	3,110	3,049	4,690	798	316	313	299	137	321	1,101	1,620
1992	1,382	2,508	2,064	1,268	343	473	800	827	1,191	457	3,171	3,530	1,493
1993	5,434	2,299	3,349	1,864	1,395	353	188	258	188	144	275	733	1,373
1994	3,047	3,550	4,638	3,698	779	714	1,439	503	600	1,354	1,252	3,309	2,067
1995	2,336	3,337	4,411	1,556	659	346	172	166	252	3,565	3,060	2,472	1,855
1996	6,800	3,520	5,219	1,821	816	391	771	487	815	477	990	2,299	2,033
1997	4,339	3,402	4,006	1,526	2,763	5,875	1,931	497	572	1,563	1,261	1,571	2,436
1998	6,540	5,562	4,134	4,744	842	585	342	381	135	106	252	1,123	2,040
1999	4,159	3,308	3,213	1,511	1,026	1,972	1,061	191	120	199	204	265	1,426
2000	936	872	4,443	5,713	392	246	147	146	108	103	697	553	1,194
2001	2,205	3,435	7,136	4,887	749	1,392	799	477	2,717	508	563	3,136	2,324
2002	3,708	2,398	2,650	2,133	2,305	444	812	251	740	1,159	2,409	3,994	1,918
2003	1,772	4,572	4,395	1,738	8,741	1,795	1,177	450	288	169	276	464	2,145
2004	1,353	5,851	2,355	878	545	1,195	998	375	1,791	936	7,705	4,164	2,311
2005	1,163	2,054	3,261	4,058	829	1,066	1,860	490	213	146	246	985	1,358
2006	2,276	3,699	2,513	2,477	1,689	259	187	209	297	594	960	662	1,302
2007	2,275	1,188	989	591	231	121	212	102	176	85	111	171	519
2008	402	1,747	2,196	1,303	2,115	556	239	729	209	121	149	2,426	1,015
2009	6,203	2,028	5,539	2,990	3,704	1,021	544	535	2,057	3,623	2,806	4,719	2,997
2010	3,194	3,374	4,618	2,451	2,615	1,164	360	301	159	198	290	485	1,593
2011	1,280	1,410	4,811	3,566	710	295	525	155	4,076	297	1,033	3,509	1,804
2012	4,378	2,363	2,775	667	484	291	470	703	871	535	300	2,307	1,346
2013	6,243	4,329	3,093	3,188	4,631	1,530	1,331	2,321	517	173	457	2,958	2,562
2014	1,897	4,502	2,328	5,532	1,492	889	249	195	154	334	464	2,120	1,656

Non-Exceedance Percentiles

03160111 - Locust Fork Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	402	872	989	392	231	115	147	102	108	85	111	171	519
5th %	883	1,354	1,214	663	389	240	177	135	126	102	181	360	1,003
10th %	948	1,505	1,992	1,024	431	279	188	154	135	113	196	483	1,117
15th %	1,132	1,873	2,308	1,103	477	294	210	166	149	123	216	646	1,184
20th %	1,339	2,014	2,399	1,296	541	346	242	186	158	142	251	915	1,337
30th %	1,860	2,344	2,744	1,550	737	433	314	247	212	188	297	1,068	1,399
40th %	2,247	2,799	3,103	1,847	837	528	340	285	252	236	461	1,216	1,581
Median	3,120	3,340	3,649	2,464	1,250	683	491	368	311	334	690	1,550	1,829
60th %	3,500	3,415	4,401	2,990	1,440	834	729	461	571	499	1,007	1,978	2,043
70th %	4,350	3,595	4,624	3,606	2,172	1,034	804	492	763	664	1,295	2,343	2,295
80th %	5,224	4,516	5,149	4,487	2,913	1,198	1,188	539	1,081	1,154	1,993	3,171	2,460
90th %	5,805	5,270	6,088	5,550	3,796	1,557	1,481	739	1,817	1,607	3,060	4,011	2,733
Maximum	6,800	10,194	12,808	9,462	8,741	5,875	3,796	2,321	4,076	3,918	7,705	7,870	2,997
Average	3,212	3,360	4,012	2,931	1,835	961	763	457	751	748	1,247	2,051	1,853

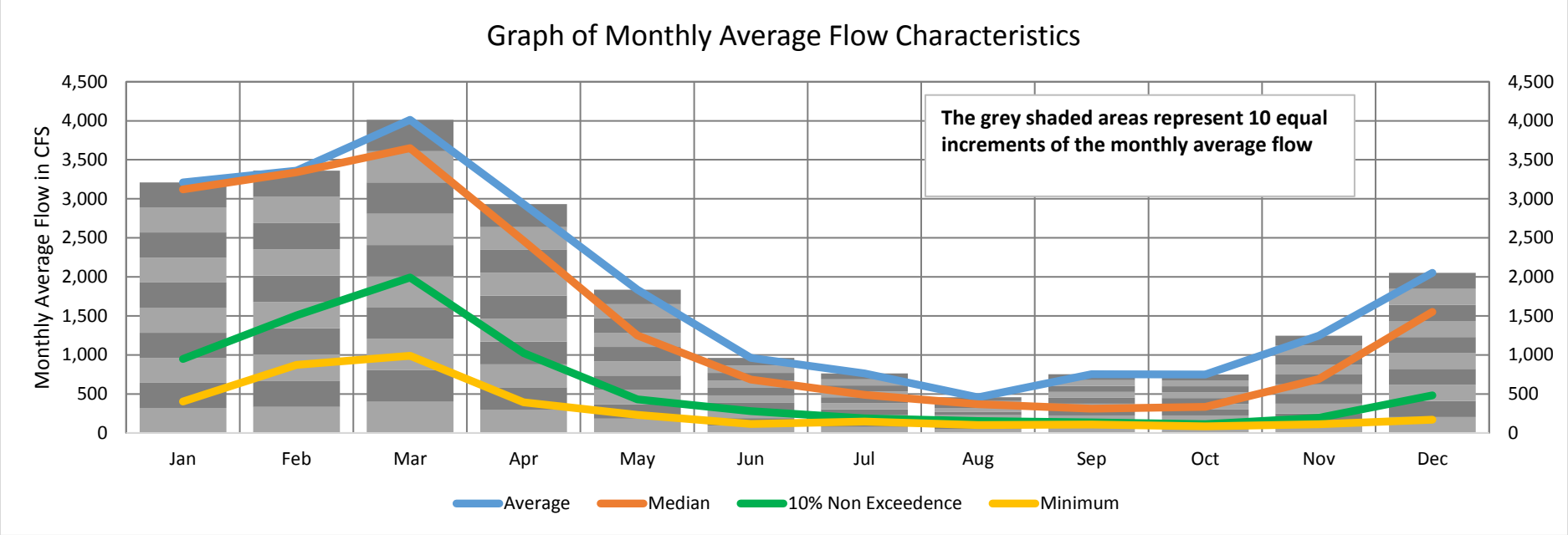
	Flows in CFS
Minimum	85.0
5th %	149
10th %	198
15th %	258
20th %	327
30th %	510
40th %	800
Median	1,161
60th %	1,558
70th %	2,331
80th %	3,309
90th %	4,603
Maximum	12,808
Average	1,861



Q10/Q50	0.17
Q10/Q90	0.04
	CFSM*
Qmin/DA	0.07
Q5/DA	0.12
Q10/DA	0.16
Q15/DA	0.21
Q20/DA	0.27
Q30/DA	0.42
Q40/DA	0.66
Q50/DA	0.96
Q60/DA	1.29
Q70/DA	1.93
Q80/DA	2.74
Q90/DA	3.80
Qmax/DA	10.59

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

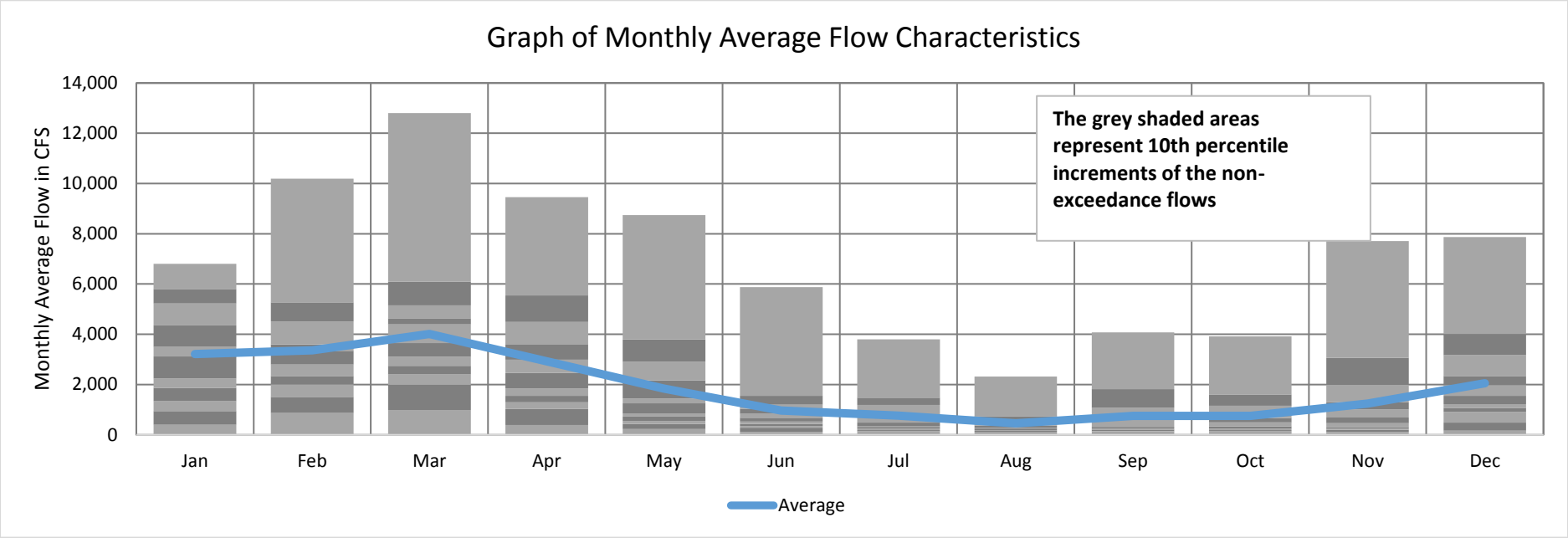
Site #: 03160111 Name: Locust Fork Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	3,212	3,360	4,012	2,931	1,835	961	763	457	751	748	1,247	2,051
100%	6,800	10,194	12,808	9,462	8,741	5,875	3,796	2,321	4,076	3,918	7,705	7,870
98%	6,597	7,200	9,153	7,039	6,575	4,500	2,836	1,672	3,504	3,688	5,131	6,608
95%	6,257	5,876	7,374	6,165	4,754	2,079	1,963	1,088	2,748	3,567	3,233	4,796
90%	5,805	5,270	6,088	5,550	3,796	1,557	1,481	739	1,817	1,607	3,060	4,011
75%	4,718	4,000	4,784	4,133	2,652	1,164	1,014	511	897	966	1,527	2,594
50%	3,120	3,340	3,649	2,464	1,250	683	491	368	311	334	690	1,550
25%	1,518	2,077	2,616	1,522	642	381	278	206	185	163	276	981
10%	948	1,505	1,992	1,024	431	279	188	154	135	113	196	483
5%	883	1,354	1,214	663	389	240	177	135	126	102	181	360
2%	496	1,119	1,018	547	318	120	166	115	117	92	141	245
0%	402	872	989	392	231	115	147	102	108	85	111	171

Site #: 03160111 Name: Locust Fork Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 1,210 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	3,212	3,360	4,012	2,931	1,835	961	763	457	751	748	1,247	2,051
100%	6,800	10,194	12,808	9,462	8,741	5,875	3,796	2,321	4,076	3,918	7,705	7,870
98%	6,597	7,200	9,153	7,039	6,575	4,500	2,836	1,672	3,504	3,688	5,131	6,608
95%	6,257	5,876	7,374	6,165	4,754	2,079	1,963	1,088	2,748	3,567	3,233	4,796
90%	5,805	5,270	6,088	5,550	3,796	1,557	1,481	739	1,817	1,607	3,060	4,011
75%	4,718	4,000	4,784	4,133	2,652	1,164	1,014	511	897	966	1,527	2,594
50%	3,120	3,340	3,649	2,464	1,250	683	491	368	311	334	690	1,550
25%	1,518	2,077	2,616	1,522	642	381	278	206	185	163	276	981
10%	948	1,505	1,992	1,024	431	279	188	154	135	113	196	483
5%	883	1,354	1,214	663	389	240	177	135	126	102	181	360
2%	496	1,119	1,018	547	318	120	166	115	117	92	141	245
0%	402	872	989	392	231	115	147	102	108	85	111	171

Monthly Flows (in CFS) for
03160112 - Upper Black Warrior River Subbasin

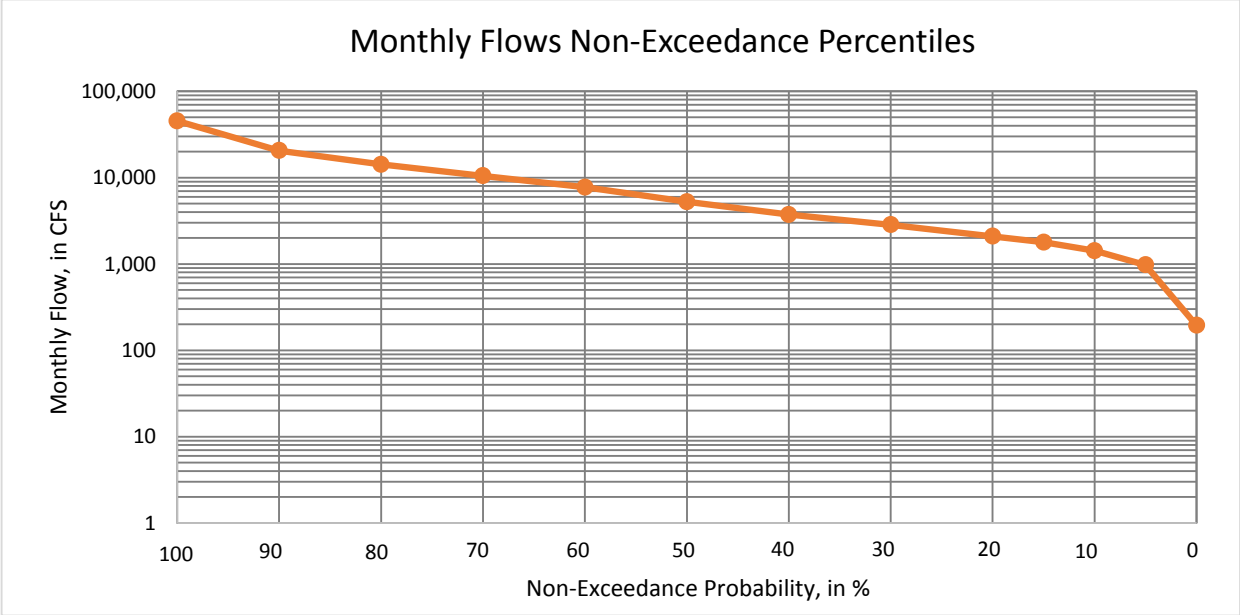
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	21,660	25,270	27,080	12,610	6,902	3,690	5,929	5,839	3,348	10,800	5,157	9,436	11,421
1976	16,790	10,530	28,500	10,370	15,740	4,743	3,627	2,747	3,201	1,328	1,892	7,259	8,923
1977	9,413	7,814	28,530	25,620	2,479	2,060	2,652	2,473	5,374	13,880	14,590	12,140	10,594
1978	15,130	7,876	10,120	2,790	12,020	6,031	2,669	2,783	1,996	1,233	1,001	3,100	5,572
1979	19,670	14,390	25,710	40,620	6,246	3,863	5,003	3,240	7,881	3,843	12,840	8,470	12,594
1980	14,320	11,980	45,340	33,340	14,000	3,402	2,537	1,914	2,703	4,414	5,922	7,559	12,299
1981	2,908	10,110	11,170	11,390	1,420	3,381	2,464	2,258	2,244	874	677	4,122	4,371
1982	19,980	20,040	11,080	18,620	5,748	6,160	3,947	3,525	1,405	1,177	2,836	22,190	9,668
1983	12,340	25,090	21,830	26,890	23,620	6,220	3,025	2,477	2,019	822	9,264	32,610	13,788
1984	14,170	10,830	11,390	19,210	16,460	2,978	2,816	3,053	1,403	1,393	3,328	7,730	7,885
1985	4,641	16,810	4,703	4,160	8,318	2,947	7,494	5,588	2,290	4,067	4,734	6,501	5,960
1986	3,421	6,062	5,243	1,236	2,001	3,443	1,803	1,672	2,044	1,911	4,947	8,560	3,514
1987	14,830	17,780	20,520	5,210	2,268	4,481	4,173	1,938	1,656	194	638	2,468	6,289
1988	8,773	8,339	3,760	6,068	1,260	1,454	1,489	1,619	3,891	3,244	8,023	6,490	4,499
1989	22,570	16,200	23,550	12,560	4,445	13,880	16,750	2,675	3,829	4,967	8,980	9,184	11,615
1990	23,600	44,360	24,120	5,461	6,047	3,097	2,668	1,969	1,569	361	686	8,751	10,026
1991	11,130	19,260	17,850	22,810	28,520	4,958	2,780	2,415	2,063	1,142	1,899	7,775	10,168
1992	6,775	10,470	7,885	4,652	1,291	2,929	3,178	4,309	4,772	1,982	11,220	13,190	6,020
1993	25,390	10,610	13,910	8,434	8,494	2,550	2,157	2,095	1,942	777	959	3,466	6,736
1994	13,530	22,450	24,660	20,530	3,149	3,172	5,353	3,742	2,725	4,371	5,335	12,960	10,088
1995	10,290	14,170	19,400	8,507	4,103	2,450	1,783	2,052	1,511	7,342	12,180	11,820	7,936
1996	26,470	15,850	21,160	9,863	3,585	2,429	4,964	3,166	3,547	2,071	5,233	10,620	9,066
1997	19,570	16,240	16,550	5,183	10,590	22,810	9,846	3,610	2,290	4,436	3,715	6,595	10,087
1998	29,020	22,520	20,290	16,880	4,052	2,610	2,714	2,842	1,589	1,055	1,117	5,654	9,126
1999	20,950	16,610	15,430	6,692	4,873	5,841	4,202	1,771	1,469	707	661	1,061	6,640
2000	4,692	3,232	20,800	29,850	2,321	1,902	1,456	1,535	1,283	223	2,768	2,849	6,068
2001	9,576	14,890	25,940	19,320	3,278	6,872	3,530	3,464	10,350	6,253	5,253	18,840	10,597
2002	16,900	13,010	10,360	8,360	10,780	2,601	3,650	1,756	4,038	5,180	13,370	15,810	8,802
2003	8,949	21,760	19,290	8,969	33,030	8,529	5,738	3,411	2,606	1,298	3,174	4,183	10,029
2004	7,619	26,470	12,210	3,633	3,023	6,322	6,315	2,678	5,225	2,405	20,180	21,990	9,713
2005	8,463	8,673	10,510	17,300	3,167	11,430	9,407	5,147	3,916	1,178	1,064	5,465	7,117
2006	10,860	18,210	10,660	8,550	7,561	1,910	1,628	1,783	1,550	2,321	5,753	4,062	6,159
2007	11,340	5,700	3,028	1,684	644	946	1,486	1,364	1,008	256	253	231	2,315
2008	976	7,102	8,673	5,444	8,951	2,631	2,032	2,431	1,321	350	377	10,320	4,213
2009	29,870	8,980	24,110	13,350	15,300	4,943	2,257	2,872	12,060	19,120	11,870	21,450	13,925
2010	14,350	15,540	18,270	9,488	12,510	3,663	1,870	1,589	647	557	883	1,727	6,720
2011	7,601	5,883	25,010	20,240	3,565	2,811	2,802	1,664	22,800	714	2,742	12,380	9,009
2012	20,660	11,840	12,190	3,153	2,258	1,971	2,109	3,874	4,353	2,995	1,522	9,249	6,342
2013	31,290	20,320	14,780	13,730	14,840	4,516	8,137	7,294	2,172	614	1,434	10,070	10,746
2014	9,038	16,480	9,112	26,490	5,878	5,774	1,897	1,271	1,221	3,298	2,133	11,860	7,789

Non-Exceedance Percentiles

03160112 - Upper Black Warrior River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	976	3,232	3,028	1,236	644	946	1,456	1,271	647	194	253	231	2,315
5th %	3,395	5,874	4,656	2,735	1,289	1,880	1,489	1,526	1,210	254	625	1,694	4,178
10th %	4,687	6,998	7,621	3,585	1,943	1,965	1,768	1,616	1,317	359	676	2,811	4,487
15th %	7,477	7,867	9,046	4,578	2,267	2,374	1,860	1,671	1,405	605	853	3,411	5,902
20th %	8,294	8,606	10,312	5,205	2,447	2,530	2,005	1,768	1,503	712	993	4,110	6,058
30th %	9,301	10,512	11,143	6,505	3,245	2,757	2,402	1,960	1,636	1,001	1,496	6,239	6,551
40th %	11,022	11,924	13,230	8,533	4,083	3,049	2,669	2,352	2,034	1,211	2,498	7,439	7,520
Median	13,850	14,640	17,200	10,117	5,813	3,423	2,809	2,576	2,267	1,652	3,251	8,515	8,862
60th %	14,950	16,216	19,756	12,906	7,166	4,110	3,569	2,807	2,712	2,355	5,031	9,324	9,343
70th %	19,600	17,101	21,361	17,696	9,443	4,948	4,182	3,188	3,632	3,462	5,460	10,980	10,046
80th %	21,092	20,096	24,228	20,298	12,808	6,057	5,430	3,542	4,101	4,418	9,037	12,496	10,594
90th %	25,498	22,777	26,054	26,530	15,812	7,038	7,558	4,393	5,625	6,362	12,246	19,101	11,683
Maximum	31,290	44,360	45,340	40,620	33,030	22,810	16,750	7,294	22,800	19,120	20,180	32,610	13,925
Average	14,488	14,994	17,118	13,232	8,118	4,710	4,008	2,848	3,583	3,129	5,015	9,505	8,361

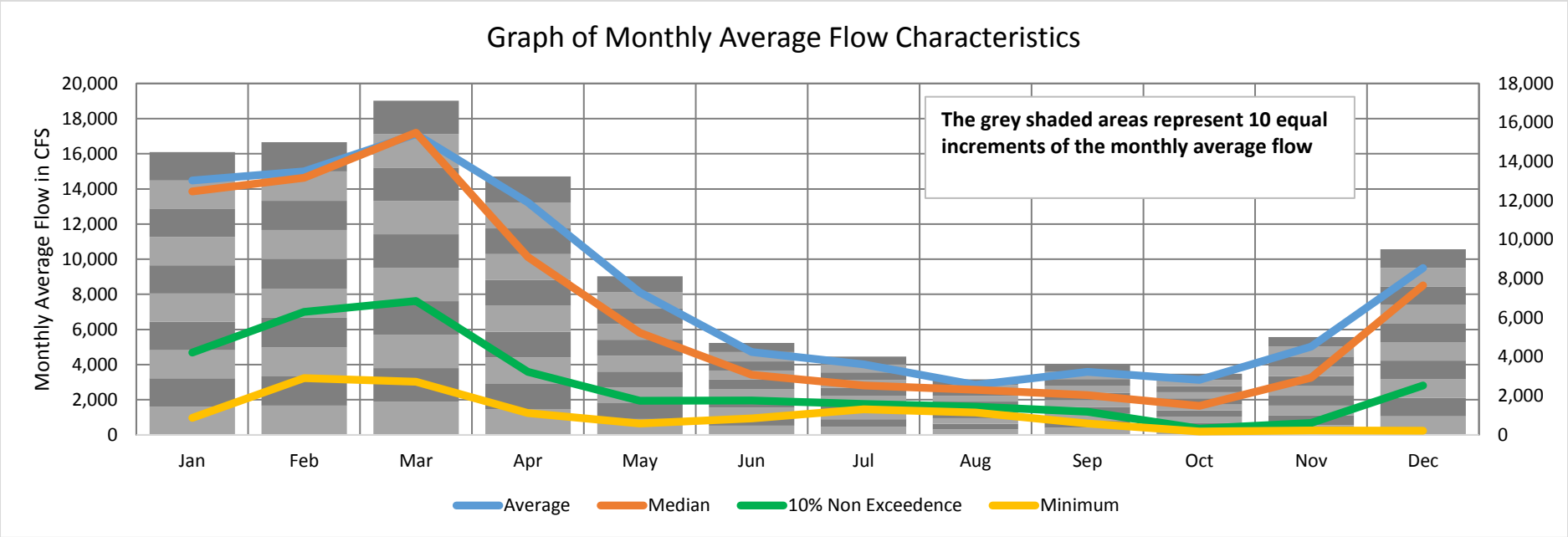
	Flows in CFS
Minimum	194.1
5th %	976
10th %	1,419
15th %	1,783
20th %	2,090
30th %	2,840
40th %	3,731
Median	5,238
60th %	7,748
70th %	10,482
80th %	14,200
90th %	20,521
Maximum	45,340
Average	8,396



Q10/Q50	0.27
Q10/Q90	0.07
	CFSM*
Qmin/DA	0.04
Q5/DA	0.20
Q10/DA	0.29
Q15/DA	0.37
Q20/DA	0.43
Q30/DA	0.59
Q40/DA	0.77
Q50/DA	1.09
Q60/DA	1.61
Q70/DA	2.17
Q80/DA	2.95
Q90/DA	4.26
Qmax/DA	9.41

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

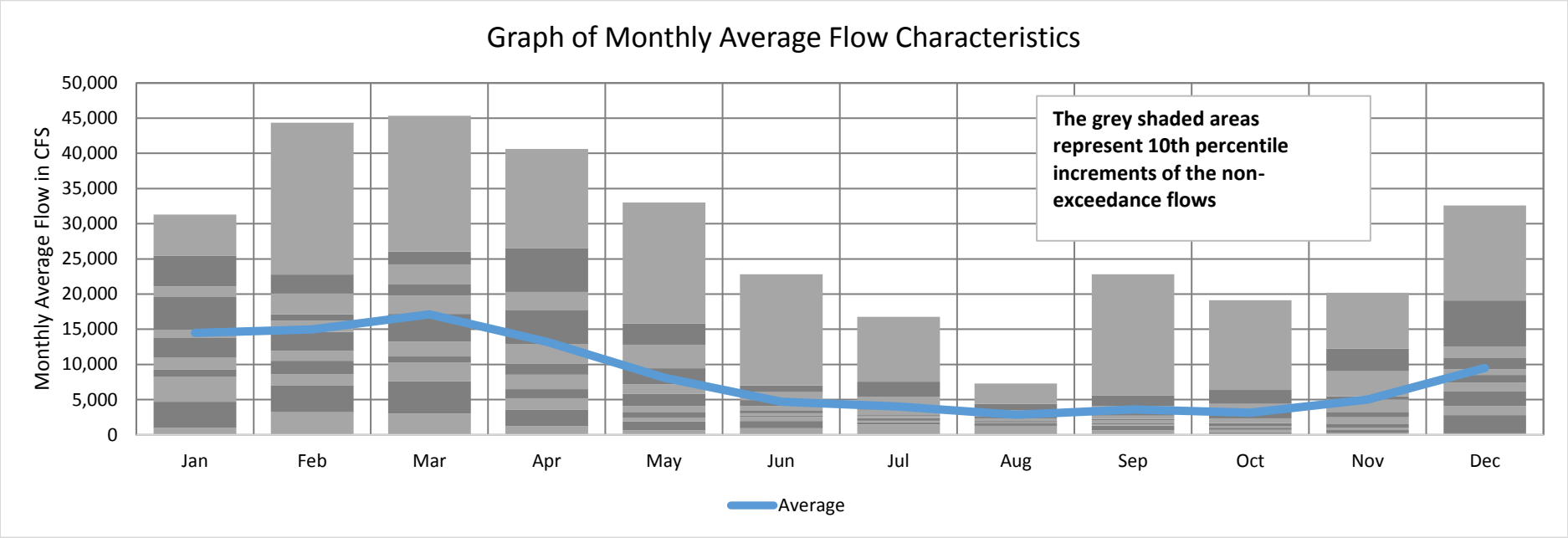
Site #: 03160112 Name: Upper Black Warrior River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	14,488	14,994	17,118	13,232	8,118	4,710	4,008	2,848	3,583	3,129	5,015	9,505
100%	31,290	44,360	45,340	40,620	33,030	22,810	16,750	7,294	22,800	19,120	20,180	32,610
98%	30,182	30,406	32,228	34,942	29,512	15,845	11,365	6,159	14,423	15,033	15,820	24,482
95%	29,063	25,330	28,502	30,025	23,865	11,553	9,429	5,601	10,436	10,954	13,431	22,000
90%	25,498	22,777	26,054	26,530	15,812	7,038	7,558	4,393	5,625	6,362	12,246	19,101
75%	20,150	18,473	23,690	19,238	11,090	5,791	4,974	3,424	3,897	4,143	6,447	11,930
50%	13,850	14,640	17,200	10,117	5,813	3,423	2,809	2,576	2,267	1,652	3,251	8,515
25%	8,905	9,828	10,623	5,457	3,118	2,608	2,145	1,881	1,564	811	1,104	5,145
10%	4,687	6,998	7,621	3,585	1,943	1,965	1,768	1,616	1,317	359	676	2,811
5%	3,395	5,874	4,656	2,735	1,289	1,880	1,489	1,526	1,210	254	625	1,694
2%	2,483	5,157	3,599	1,585	1,124	1,342	1,479	1,344	929	216	349	878
0%	976	3,232	3,028	1,236	644	946	1,456	1,271	647	194	253	231

Site #: 03160112 Name: Upper Black Warrior River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 4,820 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	14,488	14,994	17,118	13,232	8,118	4,710	4,008	2,848	3,583	3,129	5,015	9,505
100%	31,290	44,360	45,340	40,620	33,030	22,810	16,750	7,294	22,800	19,120	20,180	32,610
98%	30,182	30,406	32,228	34,942	29,512	15,845	11,365	6,159	14,423	15,033	15,820	24,482
95%	29,063	25,330	28,502	30,025	23,865	11,553	9,429	5,601	10,436	10,954	13,431	22,000
90%	25,498	22,777	26,054	26,530	15,812	7,038	7,558	4,393	5,625	6,362	12,246	19,101
75%	20,150	18,473	23,690	19,238	11,090	5,791	4,974	3,424	3,897	4,143	6,447	11,930
50%	13,850	14,640	17,200	10,117	5,813	3,423	2,809	2,576	2,267	1,652	3,251	8,515
25%	8,905	9,828	10,623	5,457	3,118	2,608	2,145	1,881	1,564	811	1,104	5,145
10%	4,687	6,998	7,621	3,585	1,943	1,965	1,768	1,616	1,317	359	676	2,811
5%	3,395	5,874	4,656	2,735	1,289	1,880	1,489	1,526	1,210	254	625	1,694
2%	2,483	5,157	3,599	1,585	1,124	1,342	1,479	1,344	929	216	349	878
0%	976	3,232	3,028	1,236	644	946	1,456	1,271	647	194	253	231

Monthly Flows (in CFS) for
03160113 - Lower Black Warrior River Subbasin

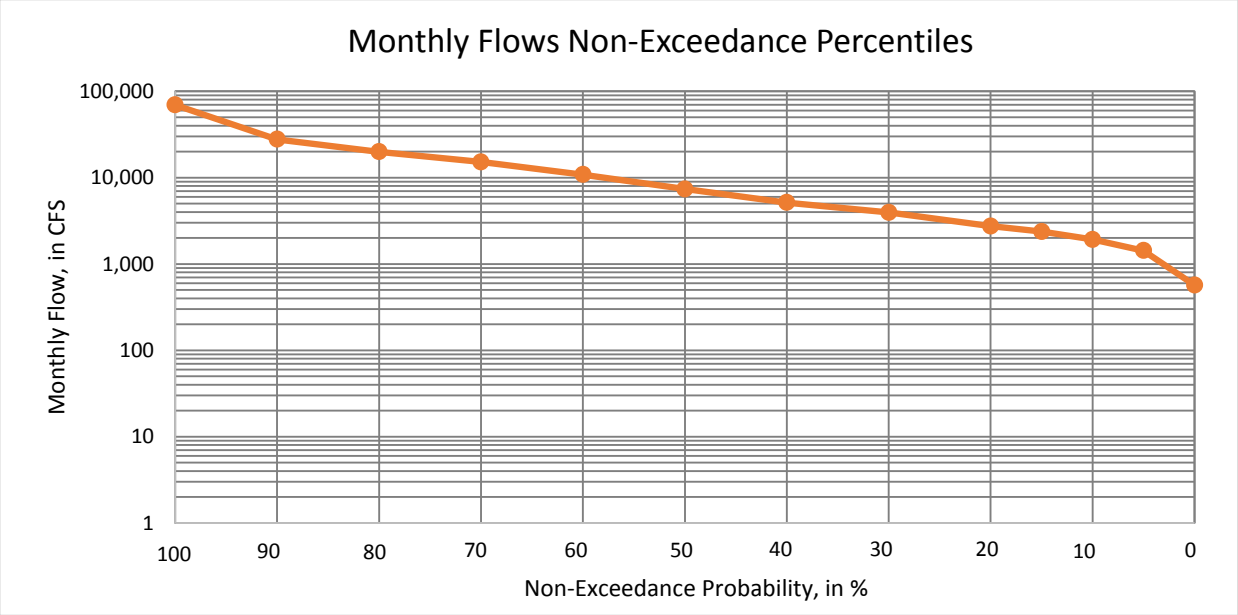
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	28,207	31,768	34,671	18,823	9,305	5,027	7,326	8,056	4,233	13,793	6,376	11,972	14,894
1976	21,814	13,904	34,223	17,533	21,814	6,411	4,346	3,216	3,731	1,732	2,383	9,628	11,756
1977	18,487	9,712	38,182	34,794	3,312	2,303	3,005	2,781	5,280	16,179	16,485	14,630	13,785
1978	18,130	10,993	13,081	4,800	15,907	8,176	2,639	2,687	1,918	1,037	1,058	4,030	7,039
1979	23,856	19,340	37,339	69,339	8,346	4,972	6,567	3,953	9,225	4,136	13,979	10,503	17,542
1980	18,455	16,502	57,449	50,581	18,917	4,659	3,159	2,544	2,655	5,775	6,791	8,713	16,351
1981	3,599	13,497	11,989	18,462	2,001	3,787	2,339	2,049	2,159	1,095	1,018	4,707	5,484
1982	23,990	26,607	16,590	22,958	8,188	7,355	4,851	4,739	1,784	1,511	2,861	27,693	12,351
1983	17,080	38,015	32,422	37,372	27,414	10,071	4,648	2,634	2,476	1,407	5,903	35,031	17,750
1984	22,727	15,158	16,365	22,546	23,324	3,926	3,255	4,219	1,392	2,309	4,053	11,271	10,875
1985	5,648	27,262	8,872	6,723	10,201	3,613	7,826	7,249	2,688	5,675	6,054	9,097	8,294
1986	5,136	8,244	7,762	1,955	2,977	4,452	2,039	1,913	2,302	2,670	7,366	13,215	4,987
1987	25,416	20,537	33,557	8,251	3,923	5,856	5,080	2,409	2,133	569	958	3,131	9,281
1988	11,382	11,215	5,220	8,546	1,624	1,424	2,648	1,886	4,700	4,703	12,255	8,928	6,164
1989	28,297	18,062	33,615	19,836	8,099	18,448	24,899	4,122	4,740	7,643	13,444	15,329	16,389
1990	36,704	65,835	37,056	11,015	9,229	5,090	3,406	2,377	1,759	918	1,393	9,040	15,018
1991	16,393	24,369	28,868	27,406	43,771	10,769	4,478	3,060	3,243	1,592	3,289	10,346	14,760
1992	11,950	18,293	13,026	8,055	2,055	4,086	4,007	6,144	8,301	2,879	18,000	20,112	9,673
1993	36,388	18,186	18,942	13,994	11,583	3,628	3,104	3,582	2,648	1,573	2,712	5,656	10,149
1994	15,177	20,906	25,947	30,456	5,115	4,643	8,062	5,265	4,179	6,637	6,890	19,234	12,655
1995	15,157	20,264	29,870	12,948	7,093	4,087	2,731	2,892	1,973	10,075	17,019	16,914	11,712
1996	28,257	31,207	30,019	15,181	5,441	3,572	6,177	4,451	4,545	2,867	6,933	13,053	12,545
1997	26,059	25,148	24,764	10,024	12,802	27,877	17,224	5,669	3,112	5,683	6,476	10,897	14,589
1998	39,908	32,840	28,993	23,231	6,284	3,951	4,246	4,138	2,462	2,716	2,454	7,446	13,118
1999	23,603	28,749	22,553	10,093	6,588	6,917	7,289	2,129	1,799	1,430	1,565	2,866	9,524
2000	7,454	5,495	24,254	31,956	3,082	2,418	1,716	1,642	1,326	683	4,162	4,891	7,411
2001	12,617	19,739	38,307	24,111	3,858	9,318	3,550	3,483	14,006	8,505	5,571	25,137	13,978
2002	22,076	20,738	13,362	12,042	12,209	3,219	4,850	2,616	4,956	7,409	17,428	22,047	11,868
2003	13,034	26,276	31,010	16,822	37,601	12,236	9,844	6,358	3,639	2,579	4,479	6,163	14,124
2004	11,375	36,413	17,108	6,439	4,233	7,992	9,117	4,100	7,096	3,642	24,407	30,912	13,405
2005	13,287	17,410	17,539	30,740	6,029	21,510	18,917	5,070	6,174	2,293	2,183	7,691	12,332
2006	13,044	25,345	19,638	15,470	11,011	2,339	1,852	2,028	1,968	3,653	7,785	4,794	8,967
2007	15,793	8,786	4,678	2,732	1,037	1,117	2,302	1,631	1,572	714	705	782	3,465
2008	1,653	11,517	12,698	8,050	11,700	3,675	2,004	3,756	1,922	713	774	12,801	5,918
2009	26,586	6,556	32,669	30,370	21,031	7,264	3,006	4,192	18,986	25,316	19,892	31,683	19,063
2010	22,761	28,614	27,558	13,078	16,663	6,117	3,170	1,924	618	994	1,617	3,297	10,442
2011	10,159	9,708	34,437	26,843	5,951	1,710	2,746	1,983	14,658	1,254	2,847	15,659	10,661
2012	26,642	18,811	18,784	4,689	3,406	1,819	2,793	4,634	6,450	3,813	2,199	12,973	8,893
2013	38,230	36,845	24,053	17,722	20,162	6,447	11,428	9,366	2,808	1,044	2,509	15,276	15,404
2014	13,906	23,835	16,143	32,687	12,471	7,182	2,499	1,807	1,597	4,077	3,397	14,255	11,050

Non-Exceedance Percentiles

03160113 - Lower Black Warrior River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	1,653	5,495	4,678	1,955	1,037	1,117	1,716	1,631	618	569	705	782	3,465
5th %	5,059	8,160	7,635	4,591	1,982	1,696	1,997	1,799	1,389	711	949	3,118	5,460
10th %	7,274	9,616	11,678	6,275	2,885	2,255	2,276	1,910	1,594	897	1,054	3,956	6,140
15th %	11,193	10,801	12,977	7,851	3,277	2,406	2,475	1,974	1,780	1,031	1,539	4,781	7,355
20th %	11,836	11,456	13,306	8,212	3,767	3,501	2,646	2,045	1,894	1,085	2,070	5,503	8,773
30th %	13,214	16,098	16,953	10,738	5,343	3,754	2,941	2,504	2,085	1,487	2,493	8,407	9,629
40th %	15,546	18,250	19,360	13,627	6,466	4,087	3,165	2,744	2,470	2,069	3,118	9,415	10,790
Median	18,292	20,002	24,509	17,178	8,267	4,815	3,779	3,350	2,748	2,693	4,321	11,084	11,812
60th %	22,337	22,078	28,918	19,228	10,525	5,960	4,546	4,012	3,676	3,646	6,183	13,005	12,589
70th %	23,896	25,624	31,434	23,495	12,288	6,996	5,409	4,200	4,592	4,306	6,903	14,823	13,843
80th %	26,597	28,641	33,737	30,387	17,114	8,029	7,426	4,805	5,459	5,947	12,493	17,378	14,787
90th %	29,106	33,197	37,084	32,898	21,965	10,915	10,002	6,165	8,393	8,662	17,060	25,393	16,354
Maximum	39,908	65,835	57,449	69,339	43,771	27,877	24,899	9,366	18,986	25,316	24,407	35,031	19,063
Average	19,261	21,568	24,340	19,467	11,144	6,487	5,629	3,719	4,330	4,332	6,692	12,795	11,592

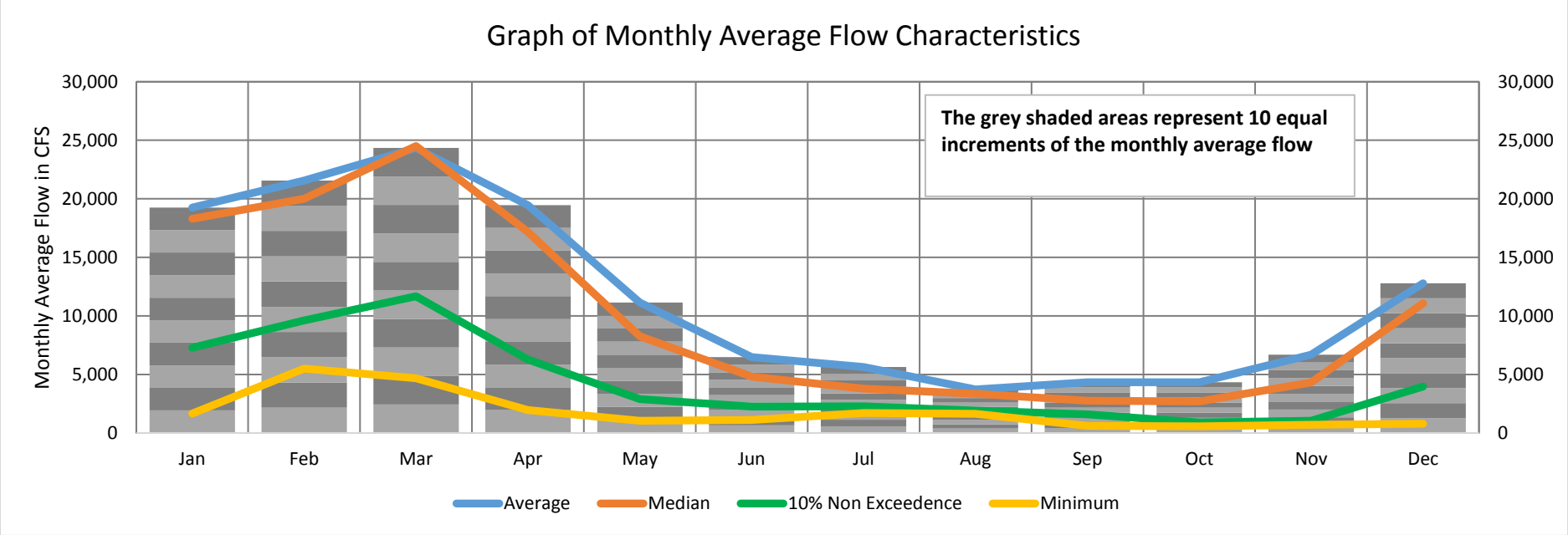
	Flows in CFS
Minimum	569.2
5th %	1,430
10th %	1,921
15th %	2,371
20th %	2,743
30th %	3,943
40th %	5,127
Median	7,361
60th %	10,820
70th %	15,164
80th %	19,848
90th %	27,711
Maximum	69,339
Average	11,647



Q10/Q50	0.26
Q10/Q90	0.07
	CFSM*
Qmin/DA	0.09
Q5/DA	0.23
Q10/DA	0.30
Q15/DA	0.38
Q20/DA	0.44
Q30/DA	0.63
Q40/DA	0.81
Q50/DA	1.17
Q60/DA	1.72
Q70/DA	2.41
Q80/DA	3.15
Q90/DA	4.40
Qmax/DA	11.01

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

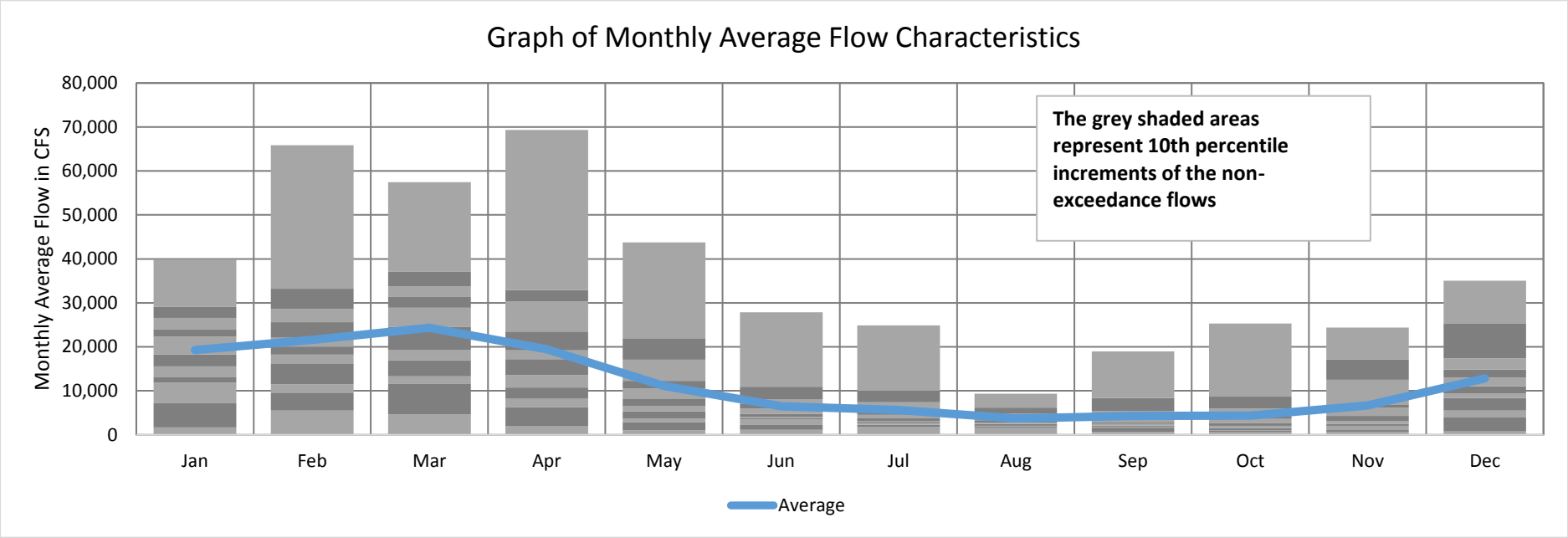
Site #: 03160113 Name: Lower Black Warrior River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	19,261	21,568	24,340	19,467	11,144	6,487	5,629	3,719	4,330	4,332	6,692	12,795
100%	39,908	65,835	57,449	69,339	43,771	27,877	24,899	9,366	18,986	25,316	24,407	35,031
98%	38,599	44,136	42,518	54,707	38,958	22,911	20,233	8,344	15,610	18,189	20,886	32,419
95%	36,781	36,903	38,188	38,033	27,923	18,601	17,309	7,289	14,039	13,912	18,095	30,951
90%	29,106	33,197	37,084	32,898	21,965	10,915	10,002	6,165	8,393	8,662	17,060	25,393
75%	25,577	26,771	32,891	26,984	13,578	7,287	6,747	4,497	4,794	5,677	7,471	15,412
50%	18,292	20,002	24,509	17,178	8,267	4,815	3,779	3,350	2,748	2,693	4,321	11,084
25%	12,930	13,802	16,310	9,654	4,155	3,624	2,742	2,315	1,956	1,369	2,337	7,125
10%	7,274	9,616	11,678	6,275	2,885	2,255	2,276	1,910	1,594	897	1,054	3,956
5%	5,059	8,160	7,635	4,591	1,982	1,696	1,997	1,799	1,389	711	949	3,118
2%	3,171	6,323	5,101	2,561	1,495	1,356	1,822	1,639	1,170	658	759	2,408
0%	1,653	5,495	4,678	1,955	1,037	1,117	1,716	1,631	618	569	705	782

Site #: 03160113 Name: Lower Black Warrior River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 6,300 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	19,261	21,568	24,340	19,467	11,144	6,487	5,629	3,719	4,330	4,332	6,692	12,795
100%	39,908	65,835	57,449	69,339	43,771	27,877	24,899	9,366	18,986	25,316	24,407	35,031
98%	38,599	44,136	42,518	54,707	38,958	22,911	20,233	8,344	15,610	18,189	20,886	32,419
95%	36,781	36,903	38,188	38,033	27,923	18,601	17,309	7,289	14,039	13,912	18,095	30,951
90%	29,106	33,197	37,084	32,898	21,965	10,915	10,002	6,165	8,393	8,662	17,060	25,393
75%	25,577	26,771	32,891	26,984	13,578	7,287	6,747	4,497	4,794	5,677	7,471	15,412
50%	18,292	20,002	24,509	17,178	8,267	4,815	3,779	3,350	2,748	2,693	4,321	11,084
25%	12,930	13,802	16,310	9,654	4,155	3,624	2,742	2,315	1,956	1,369	2,337	7,125
10%	7,274	9,616	11,678	6,275	2,885	2,255	2,276	1,910	1,594	897	1,054	3,956
5%	5,059	8,160	7,635	4,591	1,982	1,696	1,997	1,799	1,389	711	949	3,118
2%	3,171	6,323	5,101	2,561	1,495	1,356	1,822	1,639	1,170	658	759	2,408
0%	1,653	5,495	4,678	1,955	1,037	1,117	1,716	1,631	618	569	705	782

Monthly Flows (in CFS) for
03160201 - Middle Tombigbee-Chickasaw River Subbasin

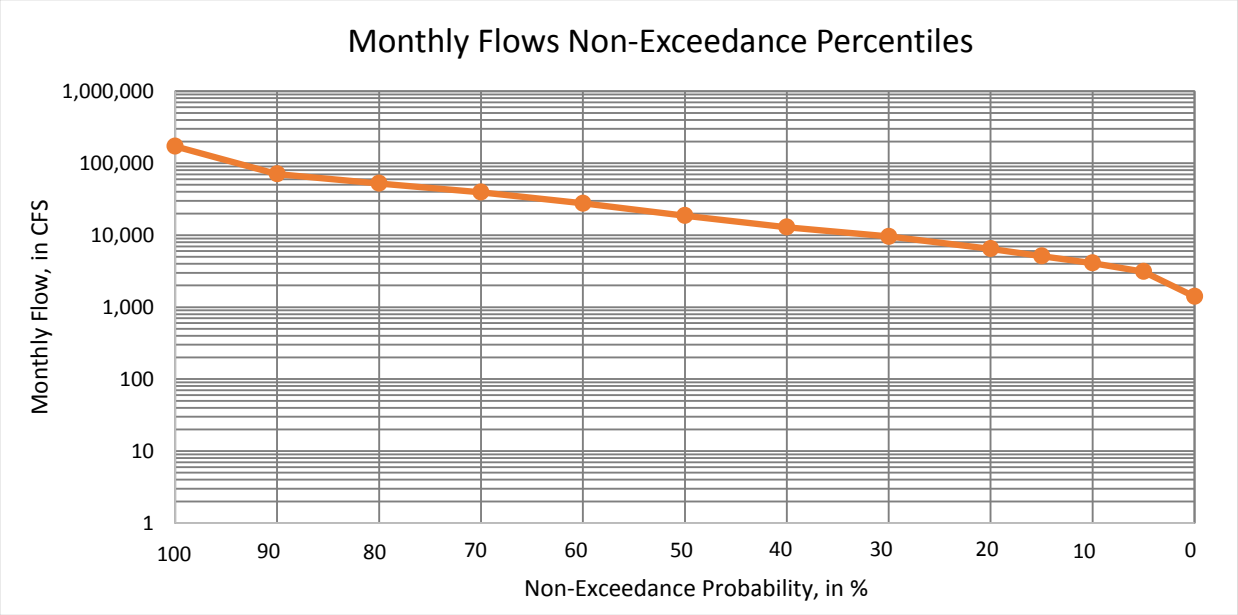
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	97,090	81,960	90,100	75,510	27,880	16,910	13,060	21,880	10,290	39,840	16,050	27,120	42,969
1976	50,680	40,590	81,770	70,860	43,630	14,020	8,005	6,276	8,012	4,279	6,497	24,020	29,854
1977	52,250	23,850	117,000	90,840	9,831	5,272	6,336	6,082	10,790	29,370	38,030	44,130	36,249
1978	45,770	28,980	39,450	13,850	52,440	25,100	6,008	5,149	3,130	1,863	2,448	9,942	19,525
1979	68,720	60,600	94,450	147,900	27,390	15,820	22,270	8,901	33,190	10,500	39,560	36,350	46,896
1980	55,190	44,960	123,300	171,600	72,770	14,220	7,556	4,848	4,604	10,290	14,920	16,380	44,985
1981	7,689	32,010	29,350	52,650	7,595	10,530	4,416	3,940	4,209	2,860	1,973	9,562	13,712
1982	58,790	56,780	35,980	62,650	22,070	12,450	10,450	12,060	4,001	3,850	7,766	89,720	31,278
1983	63,830	126,800	115,000	131,400	88,240	45,410	12,610	4,617	5,288	3,713	16,920	100,900	59,115
1984	61,800	37,270	49,300	57,190	69,850	7,925	6,691	8,780	2,890	12,620	13,430	25,550	29,477
1985	15,790	80,450	25,970	19,420	28,800	8,735	11,000	12,870	5,476	13,570	13,580	19,430	20,875
1986	11,540	19,820	23,670	5,781	8,867	14,980	4,313	3,315	3,720	5,776	31,920	46,050	14,949
1987	64,900	52,600	85,490	17,710	10,000	11,920	8,057	4,097	3,518	1,401	3,451	7,774	22,477
1988	22,590	28,120	15,600	25,370	4,460	2,557	5,458	3,125	10,000	11,470	23,650	19,460	14,197
1989	83,570	49,850	83,520	51,480	26,310	49,640	58,070	8,613	7,787	17,450	28,270	32,250	41,409
1990	99,910	161,100	97,510	27,440	23,050	14,390	6,549	3,843	2,913	2,270	3,784	41,410	39,664
1991	49,860	71,270	87,170	98,840	153,100	54,200	9,932	6,207	6,481	3,800	9,038	39,750	49,032
1992	28,450	39,590	33,080	19,310	4,663	11,080	7,757	12,480	12,800	4,658	36,000	43,260	20,956
1993	87,050	44,900	41,890	41,550	30,390	8,108	6,583	8,330	5,277	3,590	10,080	15,800	25,234
1994	38,080	92,560	59,440	73,240	10,340	15,390	28,680	9,577	7,064	12,870	12,980	39,970	32,930
1995	37,370	53,270	97,360	51,270	21,930	9,269	6,165	8,104	3,255	15,380	29,120	41,150	31,042
1996	52,160	67,270	60,140	42,420	12,100	9,699	11,070	10,680	10,170	7,045	17,390	38,870	28,022
1997	55,350	58,080	55,480	25,970	40,520	68,860	33,890	12,220	6,124	11,030	15,140	30,010	34,254
1998	84,480	61,160	61,710	38,500	15,450	8,743	12,650	10,460	6,176	4,997	5,371	22,100	27,516
1999	60,430	74,100	53,950	26,020	15,960	13,650	15,250	2,353	2,273	3,306	2,892	5,386	22,673
2000	14,430	10,790	34,750	73,910	7,091	5,359	3,132	2,739	2,161	1,508	9,692	14,890	14,988
2001	37,670	60,180	93,050	54,160	9,219	25,440	7,579	7,782	24,100	23,150	10,870	67,280	34,903
2002	52,220	54,390	42,470	32,290	31,840	6,258	9,663	4,897	13,400	26,720	42,930	57,310	31,090
2003	30,320	71,050	79,570	51,190	71,780	37,170	30,920	24,140	14,460	8,623	18,030	24,100	38,268
2004	33,160	91,990	49,290	17,130	12,330	26,610	27,840	9,718	14,120	15,170	45,010	74,570	34,373
2005	33,040	50,240	40,180	61,720	14,320	43,570	37,170	12,660	22,500	6,614	6,806	21,790	28,996
2006	41,820	67,380	49,450	22,340	25,830	4,697	3,246	3,442	4,015	10,470	21,530	13,480	22,038
2007	46,110	22,840	13,470	7,031	2,866	2,416	5,036	2,531	3,068	2,939	2,742	3,754	9,521
2008	7,729	34,000	31,850	25,190	27,560	9,773	4,515	11,660	8,899	4,343	4,232	48,420	18,118
2009	63,500	16,990	85,540	62,710	54,700	14,210	6,410	8,685	40,870	56,230	41,120	73,960	44,008
2010	56,280	69,760	55,550	26,640	40,960	13,440	6,764	4,428	2,037	2,909	4,663	9,296	24,160
2011	24,980	22,310	72,560	62,920	20,190	5,026	5,702	4,692	22,510	2,760	5,316	31,040	23,336
2012	48,770	45,650	53,980	14,790	8,580	3,848	6,536	8,737	13,340	10,460	4,811	30,610	20,766
2013	86,390	87,460	58,770	52,610	47,690	15,600	24,480	16,220	5,856	3,954	8,019	35,460	36,639
2014	30,530	56,920	39,800	93,200	30,010	21,580	8,782	4,208	3,792	10,450	9,774	30,370	28,008

Non-Exceedance Percentiles

03160201 - Middle Tombigbee-Chickasaw River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	7,689	10,790	13,470	5,781	2,866	2,416	3,132	2,353	2,037	1,401	1,973	3,754	9,521
5th %	11,349	19,679	23,267	13,509	4,653	3,783	4,260	2,729	2,267	1,845	2,727	7,655	14,172
10th %	15,654	22,787	29,012	16,896	7,545	4,993	4,505	3,296	2,911	2,711	3,395	9,535	14,984
15th %	24,622	27,480	32,896	19,070	8,824	5,346	5,395	3,783	3,121	2,902	4,165	12,949	19,314
20th %	29,946	31,404	35,734	21,756	9,709	7,592	5,947	4,066	3,465	3,233	4,781	15,618	20,853
30th %	36,107	40,290	41,377	26,005	12,261	9,111	6,498	4,670	4,011	3,835	6,713	21,091	22,614
40th %	44,190	48,170	49,390	36,016	18,498	10,860	6,735	5,709	5,284	4,532	9,430	24,970	26,603
Median	50,270	53,830	55,515	51,230	24,440	13,545	7,881	7,943	6,150	6,830	11,925	30,490	29,236
60th %	53,426	58,920	60,768	53,254	27,688	14,288	9,771	8,706	7,877	10,454	15,008	35,816	31,165
70th %	59,282	67,303	82,295	62,668	30,825	15,666	11,532	9,619	10,206	11,162	17,582	40,324	34,532
80th %	64,044	71,836	87,756	73,374	44,442	25,168	16,654	11,740	13,352	13,890	28,440	44,514	38,547
90th %	84,671	87,913	97,375	93,764	70,043	43,754	28,904	12,681	22,501	23,507	38,183	67,948	44,105
Maximum	99,910	161,100	123,300	171,600	153,100	68,860	58,070	24,140	40,870	56,230	45,010	100,900	59,115
Average	49,007	56,247	61,449	52,415	30,815	17,597	12,765	8,134	9,364	10,602	15,895	34,067	29,713

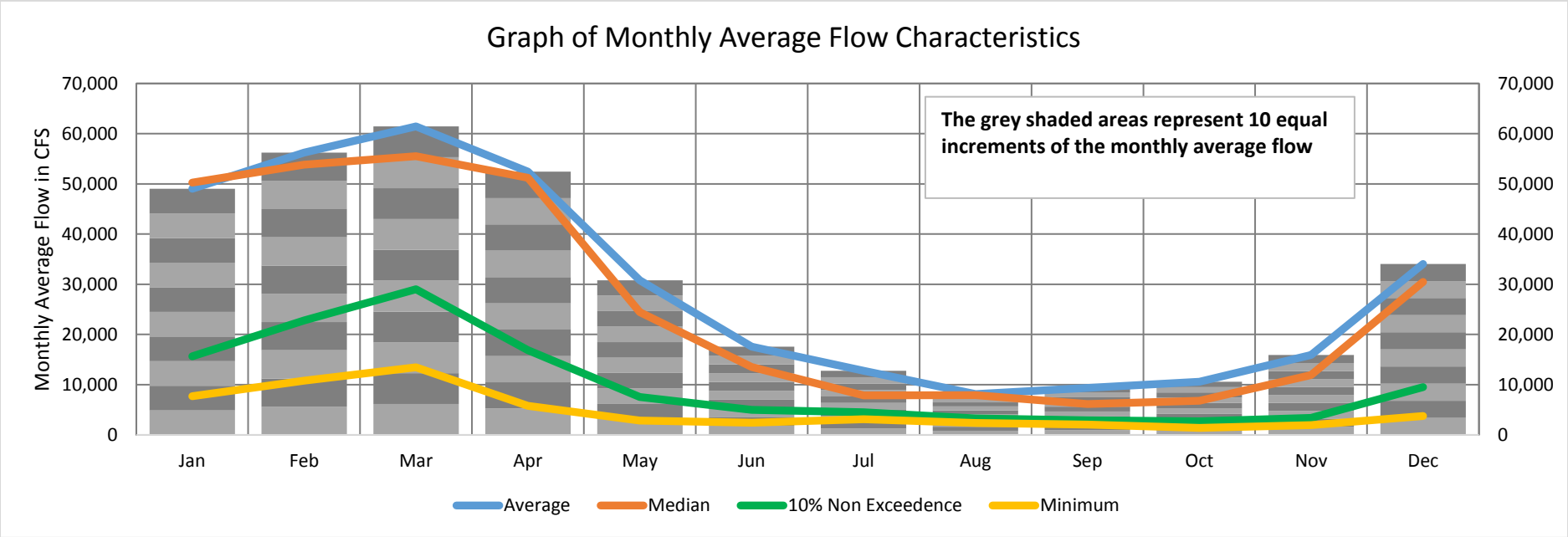
	Flows in CFS
Minimum	1,401.0
5th %	3,122
10th %	4,089
15th %	5,132
20th %	6,467
30th %	9,573
40th %	12,870
Median	18,670
60th %	27,672
70th %	39,569
80th %	52,288
90th %	70,879
Maximum	171,600
Average	29,863



Q10/Q50	0.22
Q10/Q90	0.06
	CFSM*
Qmin/DA	0.08
Q5/DA	0.17
Q10/DA	0.22
Q15/DA	0.28
Q20/DA	0.35
Q30/DA	0.52
Q40/DA	0.70
Q50/DA	1.01
Q60/DA	1.50
Q70/DA	2.15
Q80/DA	2.84
Q90/DA	3.85
Qmax/DA	9.32

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

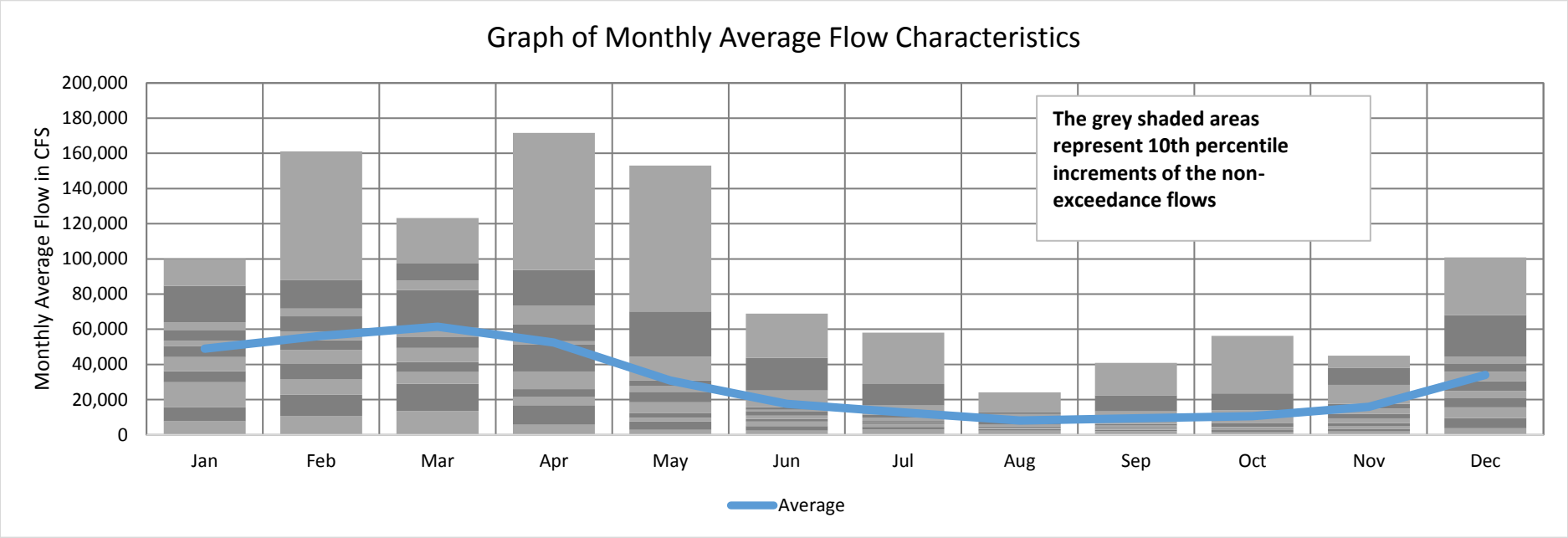
Site #: 03160201 Name: Middle Tombigbee-Chickasaw River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	49,007	56,247	61,449	52,415	30,815	17,597	12,765	8,134	9,364	10,602	15,895	34,067
100%	99,910	161,100	123,300	171,600	153,100	68,860	58,070	24,140	40,870	56,230	45,010	100,900
98%	97,710	134,346	118,386	153,114	102,509	57,425	41,768	22,377	34,880	43,446	43,388	92,180
95%	87,552	94,272	115,100	132,225	73,544	49,868	34,054	16,503	24,555	29,894	41,211	75,328
90%	84,671	87,913	97,375	93,764	70,043	43,754	28,904	12,681	22,501	23,507	38,183	67,948
75%	62,225	70,083	85,503	64,905	40,630	18,078	12,753	10,515	11,293	12,683	22,060	41,873
50%	50,270	53,830	55,515	51,230	24,440	13,545	7,881	7,943	6,150	6,830	11,925	30,490
25%	32,413	36,453	39,713	25,325	10,255	8,578	6,293	4,373	3,774	3,682	5,357	18,668
10%	15,654	22,787	29,012	16,896	7,545	4,993	4,505	3,296	2,911	2,711	3,395	9,535
5%	11,349	19,679	23,267	13,509	4,653	3,783	4,260	2,729	2,267	1,845	2,727	7,655
2%	7,720	15,626	15,131	6,756	4,109	2,526	3,221	2,492	2,134	1,484	2,344	5,027
0%	7,689	10,790	13,470	5,781	2,866	2,416	3,132	2,353	2,037	1,401	1,973	3,754

Site #: 03160201 Name: Middle Tombigbee-Chickasaw River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 18,417 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	49,007	56,247	61,449	52,415	30,815	17,597	12,765	8,134	9,364	10,602	15,895	34,067
100%	99,910	161,100	123,300	171,600	153,100	68,860	58,070	24,140	40,870	56,230	45,010	100,900
98%	97,710	134,346	118,386	153,114	102,509	57,425	41,768	22,377	34,880	43,446	43,388	92,180
95%	87,552	94,272	115,100	132,225	73,544	49,868	34,054	16,503	24,555	29,894	41,211	75,328
90%	84,671	87,913	97,375	93,764	70,043	43,754	28,904	12,681	22,501	23,507	38,183	67,948
75%	62,225	70,083	85,503	64,905	40,630	18,078	12,753	10,515	11,293	12,683	22,060	41,873
50%	50,270	53,830	55,515	51,230	24,440	13,545	7,881	7,943	6,150	6,830	11,925	30,490
25%	32,413	36,453	39,713	25,325	10,255	8,578	6,293	4,373	3,774	3,682	5,357	18,668
10%	15,654	22,787	29,012	16,896	7,545	4,993	4,505	3,296	2,911	2,711	3,395	9,535
5%	11,349	19,679	23,267	13,509	4,653	3,783	4,260	2,729	2,267	1,845	2,727	7,655
2%	7,720	15,626	15,131	6,756	4,109	2,526	3,221	2,492	2,134	1,484	2,344	5,027
0%	7,689	10,790	13,470	5,781	2,866	2,416	3,132	2,353	2,037	1,401	1,973	3,754

Monthly Flows (in CFS) for
03160202 - Sucarnoochee River Subbasin

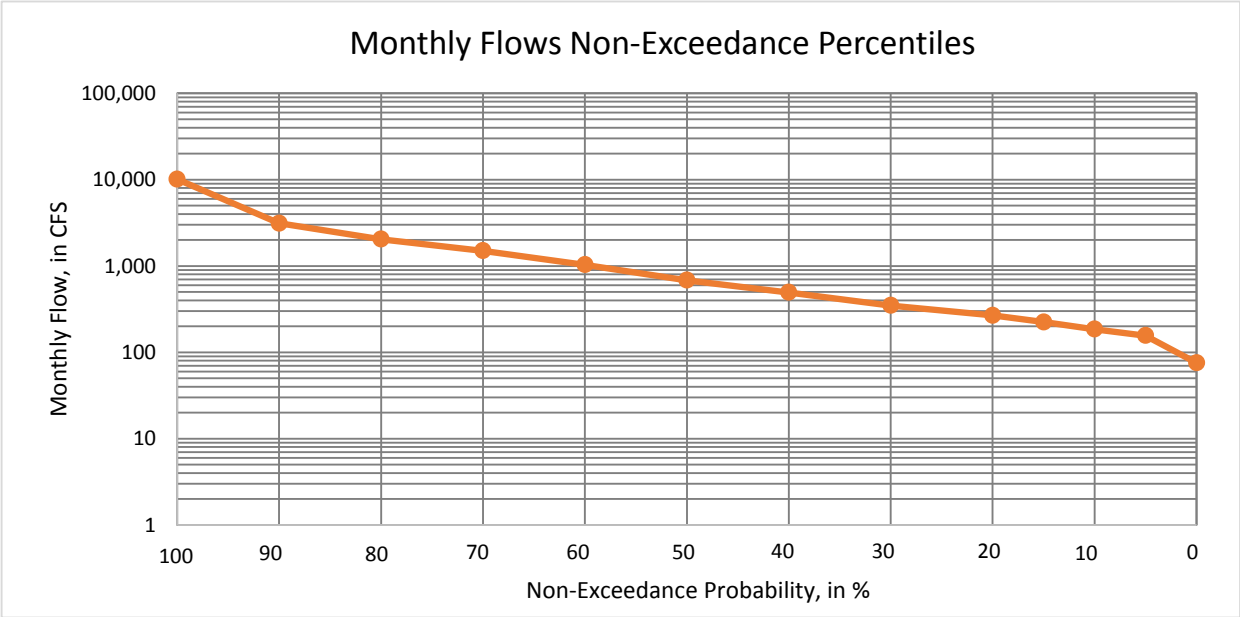
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	3,995	4,090	2,953	3,354	1,972	1,014	504	1,303	403	1,192	485	1,173	1,858
1976	1,557	872	6,356	2,720	939	468	347	244	293	191	278	1,859	1,352
1977	5,617	1,922	6,122	4,345	646	270	332	386	581	1,172	2,324	1,646	2,118
1978	2,407	1,391	1,688	885	2,451	651	304	209	174	152	193	472	916
1979	2,834	3,120	4,735	10,093	932	487	1,169	434	2,034	355	2,380	1,160	2,459
1980	2,961	1,987	6,896	6,527	3,120	794	575	308	228	554	896	590	2,121
1981	460	1,219	1,960	3,504	407	492	181	172	182	288	275	616	806
1982	1,847	2,850	1,781	1,724	453	226	341	513	162	192	403	3,841	1,187
1983	2,606	6,378	6,197	6,748	4,358	1,810	983	316	365	282	726	1,913	2,697
1984	1,626	1,537	2,192	2,463	1,131	267	427	358	186	405	558	1,126	1,020
1985	529	3,887	1,114	720	485	226	248	298	176	976	695	754	822
1986	500	659	1,021	289	740	315	167	142	262	213	1,370	1,482	596
1987	3,648	3,419	3,521	789	605	701	327	222	176	123	211	318	1,161
1988	539	938	651	1,455	241	115	292	134	357	662	1,460	868	638
1989	2,039	1,167	3,160	1,842	2,104	2,183	2,372	400	300	827	1,641	1,870	1,665
1990	5,986	8,648	3,237	1,367	627	412	391	249	156	169	273	459	1,789
1991	737	3,125	2,186	3,748	7,899	1,264	502	345	370	279	679	970	1,835
1992	1,264	2,320	815	1,305	330	633	246	703	236	183	1,426	1,620	912
1993	4,443	1,973	2,163	1,851	1,191	496	363	481	239	261	1,186	731	1,280
1994	2,361	3,672	3,131	1,830	415	488	1,358	338	288	536	349	1,449	1,339
1995	1,087	2,127	4,212	2,674	687	536	247	316	194	620	947	1,672	1,272
1996	2,535	2,688	3,050	1,508	460	525	268	363	303	269	370	638	1,073
1997	1,739	3,200	4,275	2,210	1,653	2,372	1,293	462	225	296	556	1,667	1,653
1998	6,955	2,433	2,578	2,035	439	320	616	331	183	165	246	534	1,402
1999	1,655	3,259	2,386	665	289	218	182	137	132	235	172	310	789
2000	404	295	576	1,534	180	150	96	87	76	84	210	468	345
2001	1,292	1,169	3,422	1,702	293	768	181	208	1,160	1,464	769	3,230	1,308
2002	2,444	1,870	1,601	750	259	205	225	141	891	1,165	954	2,715	1,100
2003	1,215	3,963	2,219	8,648	2,028	1,183	2,039	1,048	436	579	930	917	2,077
2004	1,496	5,370	1,603	611	700	945	1,534	306	378	689	2,575	1,950	1,486
2005	1,163	2,829	1,762	3,903	629	2,548	2,140	563	1,381	376	358	611	1,505
2006	1,293	2,407	2,295	679	1,027	218	173	162	119	410	429	492	800
2007	1,367	846	356	270	158	130	302	110	124	146	155	239	348
2008	318	1,984	1,207	855	885	239	151	678	296	214	173	1,485	700
2009	1,429	596	2,897	1,675	1,104	256	155	200	999	975	936	2,305	1,134
2010	2,203	2,797	3,464	747	725	330	213	185	112	131	228	299	944
2011	681	944	3,123	1,082	337	157	189	217	634	152	190	699	700
2012	1,574	1,870	2,399	368	370	217	627	592	384	271	202	1,944	900
2013	3,341	4,712	2,102	1,799	1,592	665	612	498	276	231	648	1,862	1,509
2014	1,042	2,677	1,818	6,169	1,038	415	305	195	165	174	321	1,359	1,290

Non-Exceedance Percentiles

03160202 - Sucarnoochee River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	318	295	356	270	158	115	96	87	76	84	155	239	345
5th %	457	655	647	364	238	149	155	133	118	130	173	310	584
10th %	526	870	1,001	660	286	201	173	140	131	151	193	445	694
15th %	659	943	1,193	714	324	217	181	159	161	163	209	472	776
20th %	981	1,169	1,603	749	363	224	188	183	172	173	225	526	805
30th %	1,249	1,770	1,806	1,023	449	264	246	208	182	207	277	631	915
40th %	1,404	1,980	2,177	1,487	618	326	298	247	227	251	365	822	1,089
Median	1,600	2,364	2,341	1,713	694	477	330	312	269	281	520	1,143	1,229
60th %	1,924	2,732	2,920	1,846	904	507	374	341	297	363	685	1,462	1,321
70th %	2,418	3,122	3,140	2,526	1,058	655	525	390	366	542	906	1,652	1,492
80th %	2,859	3,470	3,475	3,553	1,604	824	698	485	409	667	1,000	1,864	1,689
90th %	4,040	4,152	4,873	6,204	2,138	1,318	1,376	600	902	995	1,478	1,986	2,081
Maximum	6,955	8,648	6,896	10,093	7,899	2,548	2,372	1,303	2,034	1,464	2,575	3,841	2,697
Average	2,080	2,580	2,731	2,436	1,147	643	574	359	391	441	729	1,258	1,273

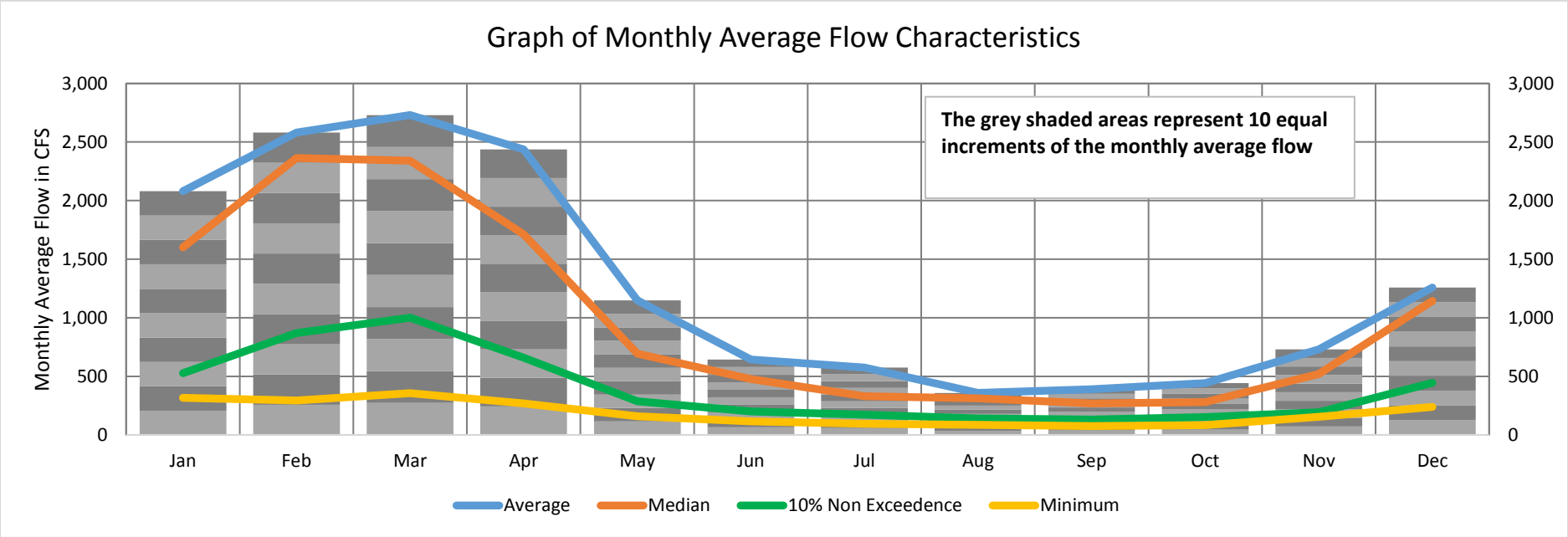
	Flows in CFS
Minimum	75.6
5th %	156
10th %	185
15th %	224
20th %	268
30th %	348
40th %	494
Median	684
60th %	1,031
70th %	1,500
80th %	2,036
90th %	3,120
Maximum	10,093
Average	1,281



Q10/Q50	0.27
Q10/Q90	0.06
	CFSM*
Qmin/DA	0.08
Q5/DA	0.16
Q10/DA	0.19
Q15/DA	0.23
Q20/DA	0.28
Q30/DA	0.36
Q40/DA	0.52
Q50/DA	0.72
Q60/DA	1.08
Q70/DA	1.57
Q80/DA	2.13
Q90/DA	3.26
Qmax/DA	10.56

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

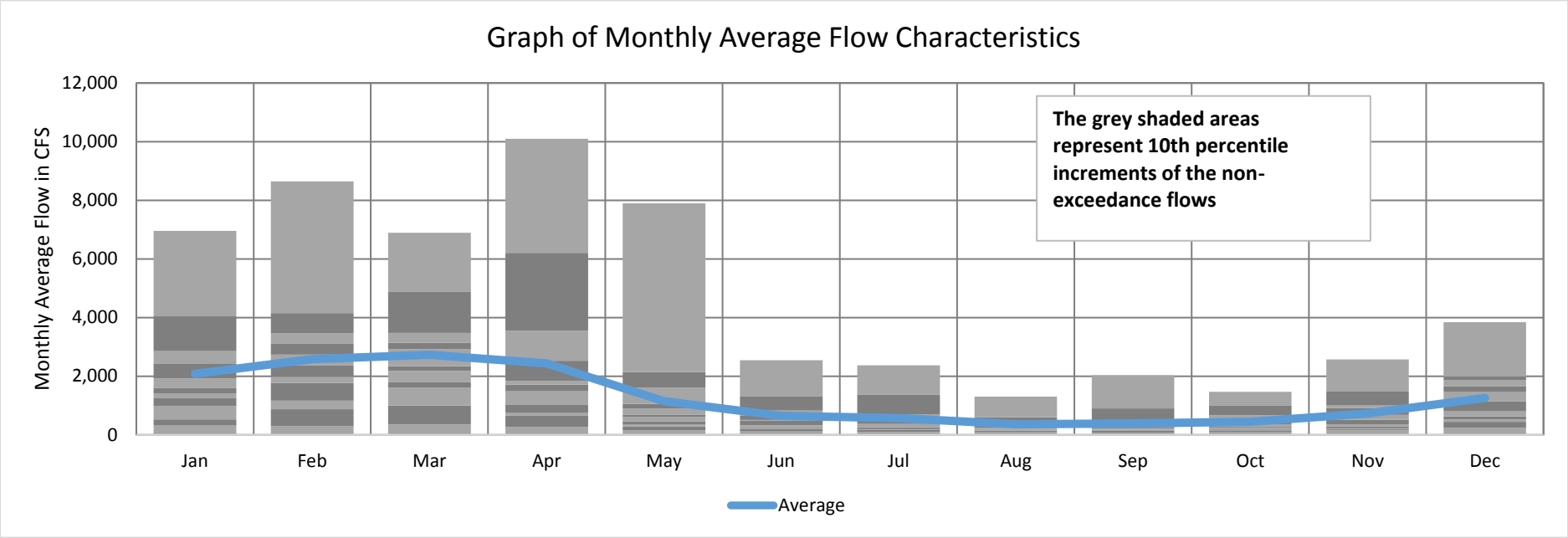
Site #: 03160202 Name: Sucarnoochee River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,080	2,580	2,731	2,436	1,147	643	574	359	391	441	729	1,258
100%	6,955	8,648	6,896	10,093	7,899	2,548	2,372	1,303	2,034	1,464	2,575	3,841
98%	6,199	6,877	6,475	8,966	5,137	2,411	2,191	1,104	1,525	1,252	2,423	3,365
95%	5,635	5,420	6,205	6,843	3,182	2,193	2,044	721	1,171	1,173	2,326	2,741
90%	4,040	4,152	4,873	6,204	2,138	1,318	1,376	600	902	995	1,478	1,986
75%	2,553	3,215	3,283	2,878	1,146	717	613	441	380	589	939	1,719
50%	1,600	2,364	2,341	1,713	694	477	330	312	269	281	520	1,143
25%	1,144	1,348	1,744	838	413	236	222	199	176	189	266	605
10%	526	870	1,001	660	286	201	173	140	131	151	193	445
5%	457	655	647	364	238	149	155	133	118	130	173	310
2%	385	530	527	284	175	127	139	105	104	115	169	286
0%	318	295	356	270	158	115	96	87	76	84	155	239

Site #: 03160202 Name: Sucarnoochee River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 956 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	2,080	2,580	2,731	2,436	1,147	643	574	359	391	441	729	1,258
100%	6,955	8,648	6,896	10,093	7,899	2,548	2,372	1,303	2,034	1,464	2,575	3,841
98%	6,199	6,877	6,475	8,966	5,137	2,411	2,191	1,104	1,525	1,252	2,423	3,365
95%	5,635	5,420	6,205	6,843	3,182	2,193	2,044	721	1,171	1,173	2,326	2,741
90%	4,040	4,152	4,873	6,204	2,138	1,318	1,376	600	902	995	1,478	1,986
75%	2,553	3,215	3,283	2,878	1,146	717	613	441	380	589	939	1,719
50%	1,600	2,364	2,341	1,713	694	477	330	312	269	281	520	1,143
25%	1,144	1,348	1,744	838	413	236	222	199	176	189	266	605
10%	526	870	1,001	660	286	201	173	140	131	151	193	445
5%	457	655	647	364	238	149	155	133	118	130	173	310
2%	385	530	527	284	175	127	139	105	104	115	169	286
0%	318	295	356	270	158	115	96	87	76	84	155	239

Monthly Flows (in CFS) for
03160203 - Lower Tombigbee River Subbasin

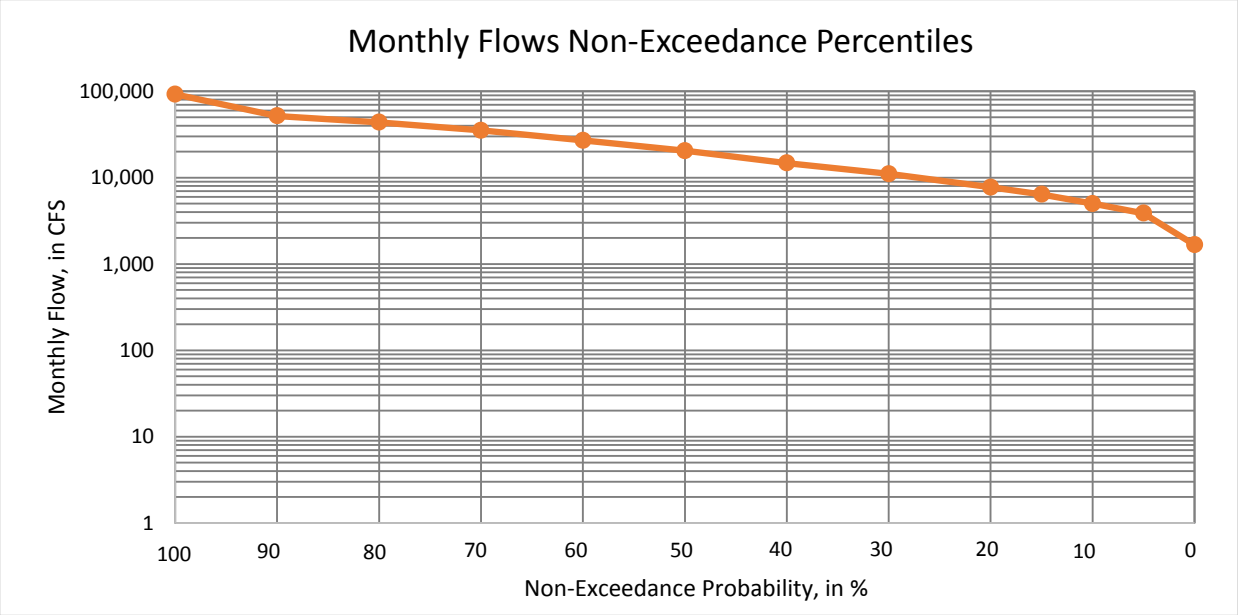
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	65,463	53,351	59,588	52,985	26,945	17,770	13,683	20,944	10,889	44,960	30,763	41,494	36,525
1976	43,896	31,495	41,522	37,525	30,866	13,785	14,818	10,301	16,333	18,861	16,819	35,996	26,027
1977	47,014	29,201	49,044	41,881	9,836	7,065	6,495	7,366	17,679	37,557	29,329	64,559	28,971
1978	45,387	21,312	23,848	12,368	29,161	19,539	16,017	14,800	14,361	11,294	9,615	20,941	19,940
1979	35,819	45,303	46,801	54,833	19,178	12,525	13,959	7,685	20,729	23,188	42,848	56,297	31,472
1980	44,832	37,933	73,084	90,911	54,572	15,556	8,866	5,804	5,522	11,868	16,723	18,266	31,944
1981	9,097	28,035	28,749	44,098	8,974	11,971	5,290	4,725	5,041	3,421	2,362	10,715	13,395
1982	45,967	41,058	31,595	49,921	21,716	13,980	11,925	13,734	4,799	4,589	8,898	61,744	25,772
1983	50,736	79,295	74,348	77,429	65,273	41,919	14,167	5,515	6,227	4,441	17,202	65,236	41,575
1984	45,836	32,890	39,910	45,996	53,934	9,146	7,743	8,786	3,448	14,471	15,030	25,185	25,209
1985	17,246	58,688	25,733	21,225	29,696	10,335	12,344	14,276	6,534	15,433	15,281	20,457	20,370
1986	13,169	20,444	22,570	6,894	10,500	17,314	5,172	3,970	4,447	6,928	30,912	40,156	15,167
1987	51,080	41,706	60,412	18,341	11,462	13,460	9,365	4,913	4,218	1,666	4,135	9,137	19,072
1988	22,058	27,197	17,179	26,752	5,344	3,060	6,537	3,733	11,074	13,197	23,890	21,008	14,974
1989	62,849	45,072	59,225	41,541	27,136	39,840	45,816	9,925	8,993	17,502	27,078	28,077	34,389
1990	65,762	86,887	57,046	25,793	23,450	16,349	7,732	4,604	3,491	2,723	4,516	39,912	27,878
1991	45,028	55,646	64,885	72,317	92,128	47,851	11,009	7,292	7,613	4,548	10,178	37,426	37,887
1992	25,265	33,000	28,729	20,062	5,551	12,354	9,082	13,939	14,161	5,522	29,915	33,471	19,143
1993	58,558	37,410	34,331	36,222	30,420	9,502	7,791	9,799	6,314	4,305	11,479	17,083	21,874
1994	35,612	66,500	46,368	54,115	11,726	17,221	26,268	10,738	8,137	13,822	14,429	34,736	28,045
1995	34,460	41,843	65,908	46,957	23,846	10,901	7,354	9,617	3,894	14,620	25,770	35,242	26,629
1996	42,365	47,788	43,419	37,342	13,307	11,038	12,749	12,238	11,573	8,237	18,843	35,246	24,374
1997	43,650	44,957	41,324	25,219	36,259	54,515	33,552	13,863	7,291	12,306	15,701	27,089	29,561
1998	57,878	42,507	42,949	32,529	16,453	10,067	14,646	12,190	7,289	5,852	6,389	23,639	22,631
1999	51,423	56,356	46,247	27,289	17,673	14,965	15,677	2,822	2,712	3,965	3,468	6,392	20,551
2000	15,935	12,391	33,058	58,498	8,434	6,427	3,741	3,267	2,569	1,777	11,341	16,672	14,470
2001	35,908	51,063	57,229	43,782	10,666	25,560	8,790	9,086	25,602	25,681	12,722	57,997	30,208
2002	45,363	47,579	39,029	31,972	32,402	7,483	11,444	5,873	15,319	27,969	37,631	44,491	28,789
2003	29,222	54,508	57,611	42,409	48,820	31,829	26,198	23,768	16,262	10,148	19,427	24,740	31,944
2004	32,203	65,728	46,000	19,229	13,999	28,311	29,452	11,463	14,380	16,869	37,991	55,241	30,684
2005	32,150	41,734	33,882	45,476	15,339	39,823	31,477	13,596	24,566	7,254	6,505	23,168	26,089
2006	35,374	60,287	51,481	24,398	26,012	5,486	3,863	3,810	4,372	10,706	22,506	15,500	21,754
2007	49,905	25,529	15,616	9,279	3,270	3,109	5,530	2,590	2,645	5,183	4,817	6,777	11,138
2008	11,425	54,629	35,143	26,382	28,613	10,316	4,392	10,306	10,252	4,497	4,407	44,089	20,172
2009	54,583	19,549	61,672	46,012	48,082	20,787	7,424	10,710	29,226	48,096	34,151	39,319	35,121
2010	39,853	43,230	39,892	26,772	40,833	15,694	7,752	5,002	2,393	3,463	5,056	10,411	19,921
2011	25,683	22,554	47,464	51,366	25,167	6,028	6,827	5,117	21,899	3,262	6,314	30,215	20,974
2012	42,472	47,290	48,933	19,111	9,509	5,289	7,838	9,901	15,087	12,338	5,768	30,294	21,045
2013	65,702	58,246	47,660	46,498	39,456	16,832	23,315	6,483	4,694	3,719	36,062	26,760	31,122
2014	46,827	48,087	36,010	51,527	32,499	22,886	10,169	4,514	4,076	11,897	10,507	25,019	25,182

Non-Exceedance Percentiles

03160203 - Lower Tombigbee River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	9,097	12,391	15,616	6,894	3,270	3,060	3,741	2,590	2,393	1,666	2,362	6,392	11,138
5th %	13,082	20,399	22,301	12,213	5,540	5,180	4,365	3,245	2,641	2,675	4,101	9,019	14,416
10th %	17,115	22,430	25,545	19,034	8,920	5,974	5,278	3,802	3,374	3,405	4,505	10,685	15,147
15th %	24,784	26,946	28,746	19,937	9,787	6,969	6,350	4,432	3,834	3,680	5,020	16,496	19,132
20th %	28,514	28,968	32,765	23,763	10,633	8,814	6,769	4,701	4,190	4,237	6,205	18,029	19,936
30th %	35,099	36,087	35,750	26,641	13,791	10,329	7,740	5,395	4,767	4,577	9,400	22,520	20,847
40th %	38,275	41,723	40,758	32,306	18,576	12,201	8,409	6,969	6,279	6,497	11,424	25,118	22,328
Median	43,773	44,093	44,709	39,533	24,506	13,883	9,767	8,936	7,452	10,427	15,155	29,146	25,491
60th %	45,373	47,405	47,066	43,908	27,727	15,956	12,093	9,910	10,507	12,061	16,972	34,939	27,129
70th %	46,883	51,749	49,775	46,158	30,554	17,451	14,021	10,718	14,221	14,017	22,921	37,994	29,148
80th %	51,149	55,788	57,934	51,398	36,898	23,420	15,745	12,510	15,507	16,996	29,447	42,013	31,192
90th %	58,987	60,831	61,994	55,200	49,331	39,825	26,586	13,972	20,846	25,910	34,342	56,467	34,462
Maximum	65,762	86,887	74,348	90,911	92,128	54,515	45,816	23,768	29,226	48,096	42,848	65,236	41,575
Average	40,576	43,957	44,387	38,581	26,463	17,447	13,157	8,977	10,153	12,453	17,169	31,505	25,300

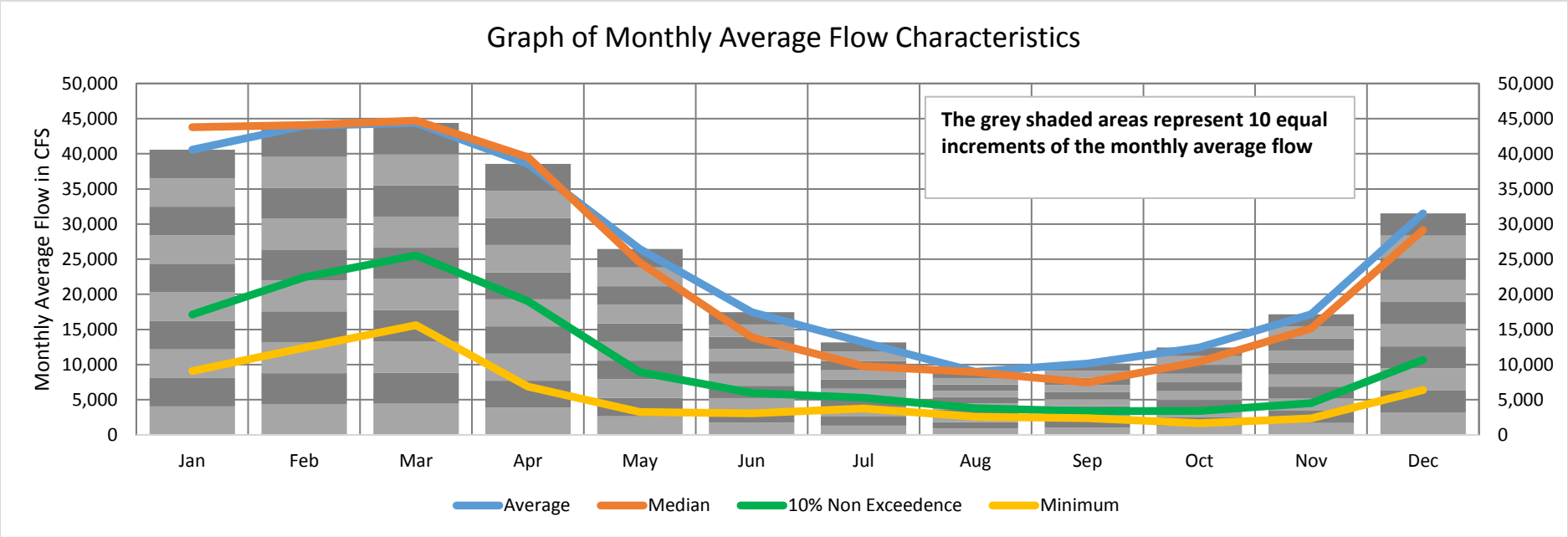
	Flows in CFS
Minimum	1,666.1
5th %	3,861
10th %	4,993
15th %	6,392
20th %	7,750
30th %	11,063
40th %	14,739
Median	20,450
60th %	26,998
70th %	35,243
80th %	43,676
90th %	51,673
Maximum	92,128
Average	25,402



Q10/Q50	0.24
Q10/Q90	0.10
	CFSM*
Qmin/DA	0.08
Q5/DA	0.19
Q10/DA	0.25
Q15/DA	0.32
Q20/DA	0.39
Q30/DA	0.55
Q40/DA	0.73
Q50/DA	1.02
Q60/DA	1.35
Q70/DA	1.76
Q80/DA	2.18
Q90/DA	2.58
Qmax/DA	4.59

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

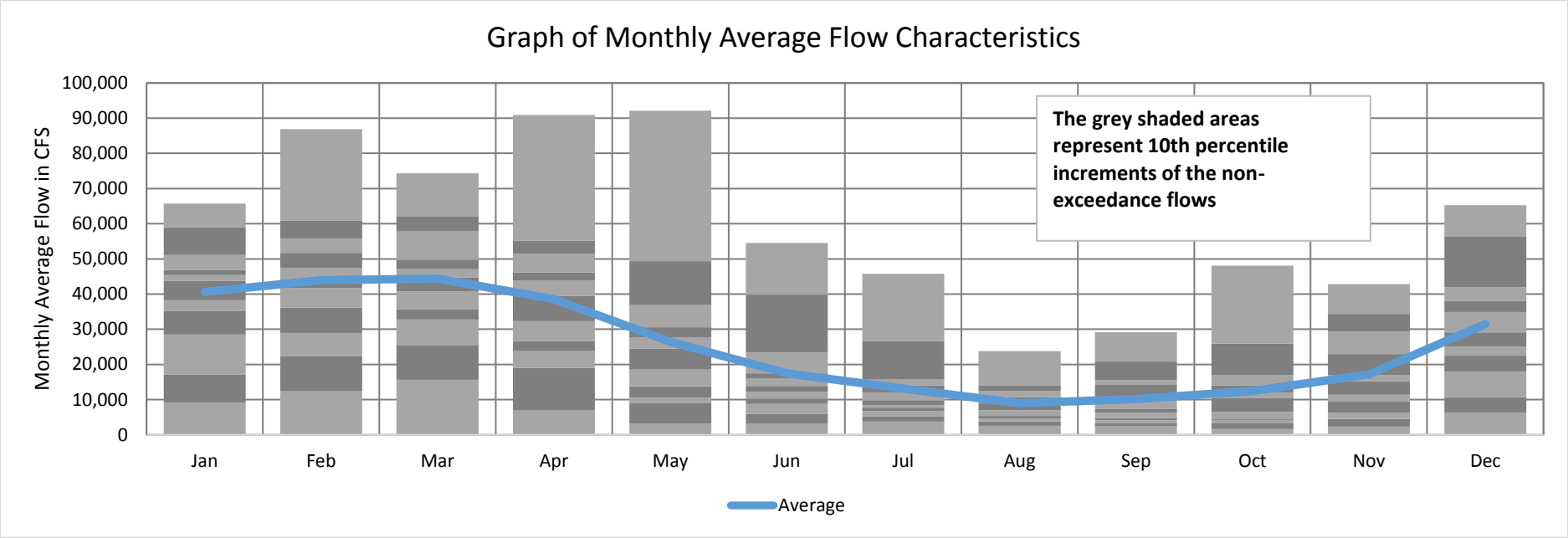
Site #: 03160203 Name: Lower Tombigbee River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	40,576	43,957	44,387	38,581	26,463	17,447	13,157	8,977	10,153	12,453	17,169	31,505
100%	65,762	86,887	74,348	90,911	92,128	54,515	45,816	23,768	29,226	48,096	42,848	65,236
98%	65,715	80,965	73,363	80,395	71,181	49,317	36,250	21,565	26,400	45,650	39,060	64,708
95%	65,475	67,139	66,267	72,573	55,107	42,216	31,581	15,108	24,618	37,927	37,649	61,885
90%	58,987	60,831	61,994	55,200	49,331	39,825	26,586	13,972	20,846	25,910	34,342	56,467
75%	50,113	54,538	57,092	47,698	32,426	19,851	14,689	11,645	14,557	14,823	26,097	39,973
50%	43,773	44,093	44,709	39,533	24,506	13,883	9,767	8,936	7,452	10,427	15,155	29,146
25%	32,190	32,541	34,219	25,650	11,660	9,926	7,407	4,979	4,428	4,483	6,476	20,820
10%	17,115	22,430	25,545	19,034	8,920	5,974	5,278	3,802	3,374	3,405	4,505	10,685
5%	13,082	20,399	22,301	12,213	5,540	5,180	4,365	3,245	2,641	2,675	4,101	9,019
2%	10,913	17,974	16,835	8,754	4,887	3,098	3,836	2,771	2,530	1,752	3,225	6,693
0%	9,097	12,391	15,616	6,894	3,270	3,060	3,741	2,590	2,393	1,666	2,362	6,392

Site #: 03160203 Name: Lower Tombigbee River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 20,057 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	40,576	43,957	44,387	38,581	26,463	17,447	13,157	8,977	10,153	12,453	17,169	31,505
100%	65,762	86,887	74,348	90,911	92,128	54,515	45,816	23,768	29,226	48,096	42,848	65,236
98%	65,715	80,965	73,363	80,395	71,181	49,317	36,250	21,565	26,400	45,650	39,060	64,708
95%	65,475	67,139	66,267	72,573	55,107	42,216	31,581	15,108	24,618	37,927	37,649	61,885
90%	58,987	60,831	61,994	55,200	49,331	39,825	26,586	13,972	20,846	25,910	34,342	56,467
75%	50,113	54,538	57,092	47,698	32,426	19,851	14,689	11,645	14,557	14,823	26,097	39,973
50%	43,773	44,093	44,709	39,533	24,506	13,883	9,767	8,936	7,452	10,427	15,155	29,146
25%	32,190	32,541	34,219	25,650	11,660	9,926	7,407	4,979	4,428	4,483	6,476	20,820
10%	17,115	22,430	25,545	19,034	8,920	5,974	5,278	3,802	3,374	3,405	4,505	10,685
5%	13,082	20,399	22,301	12,213	5,540	5,180	4,365	3,245	2,641	2,675	4,101	9,019
2%	10,913	17,974	16,835	8,754	4,887	3,098	3,836	2,771	2,530	1,752	3,225	6,693
0%	9,097	12,391	15,616	6,894	3,270	3,060	3,741	2,590	2,393	1,666	2,362	6,392

Monthly Flows (in CFS) for
03160204 - Mobile-Tensaw Subbasin

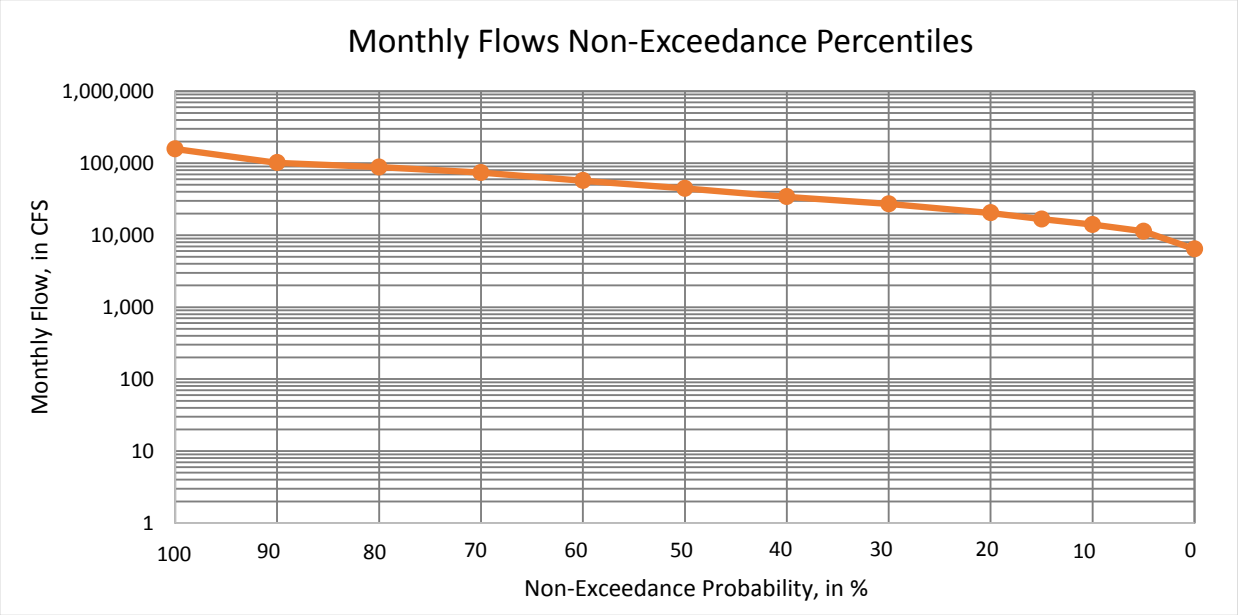
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	118,803	124,564	121,968	112,243	58,790	44,358	44,894	60,420	43,124	110,053	90,507	97,217	85,401
1976	107,574	70,370	87,090	86,849	68,565	38,190	61,946	33,838	42,406	57,849	54,666	94,366	67,073
1977	97,357	69,398	90,936	89,137	27,315	24,458	14,534	20,653	40,944	70,280	66,641	105,916	59,768
1978	111,004	56,913	51,625	34,014	62,688	40,464	41,589	51,219	52,580	52,686	39,513	54,958	54,218
1979	64,846	90,128	101,058	109,556	49,838	35,579	28,256	20,643	32,851	80,429	81,223	93,111	65,434
1980	87,966	81,638	139,767	157,665	101,254	37,150	22,724	15,861	14,007	26,746	32,571	33,554	62,443
1981	20,473	75,390	56,508	82,860	20,850	29,773	15,456	13,106	15,536	11,238	11,594	32,612	31,730
1982	94,326	107,280	74,948	91,173	55,740	32,216	28,986	29,415	13,161	17,987	28,148	115,443	57,170
1983	91,584	131,099	125,681	140,715	103,524	66,549	32,119	17,106	21,806	16,392	50,123	125,674	76,496
1984	103,086	74,119	88,539	89,627	96,409	26,608	26,015	52,848	17,621	27,990	32,868	55,436	57,636
1985	37,440	105,827	54,538	37,313	47,679	20,476	32,341	34,563	17,573	29,684	31,810	44,030	40,731
1986	28,996	47,623	61,074	17,781	20,206	26,279	12,974	11,730	11,005	13,402	58,445	76,118	32,050
1987	93,227	91,999	111,080	46,923	28,071	31,120	25,021	14,469	12,794	9,651	12,053	22,312	41,319
1988	57,044	58,668	35,921	43,760	15,326	11,419	15,621	10,793	34,872	27,269	51,235	39,565	33,230
1989	100,783	70,045	110,508	89,077	47,631	89,977	92,823	26,944	26,465	52,457	60,314	76,387	70,328
1990	122,749	154,844	141,875	63,496	50,012	29,892	21,085	15,393	12,153	13,865	17,488	59,256	58,021
1991	70,242	94,560	102,490	105,337	137,332	74,045	34,687	22,423	22,449	16,105	31,643	63,215	64,365
1992	73,061	83,663	76,799	46,367	18,490	33,573	23,284	33,250	35,049	19,889	84,178	96,071	51,736
1993	119,182	83,735	86,488	76,166	52,802	23,049	20,395	22,069	16,190	12,803	29,425	39,281	48,310
1994	64,360	108,349	94,709	103,715	30,257	32,887	67,876	32,511	27,027	40,490	34,149	76,686	59,125
1995	66,734	93,559	118,148	67,876	38,253	22,143	17,653	19,554	11,319	61,598	73,646	79,135	55,623
1996	87,987	110,210	107,543	74,534	36,170	29,544	27,064	28,132	29,565	23,613	38,889	69,558	54,915
1997	92,899	95,998	102,379	57,983	71,784	92,254	54,689	30,198	18,410	33,450	46,678	70,319	63,767
1998	116,180	113,816	113,590	81,399	42,011	27,098	25,902	24,403	21,203	23,241	18,759	41,223	53,764
1999	80,210	98,923	78,983	44,710	34,881	36,739	48,204	13,111	10,441	13,820	12,944	19,518	40,727
2000	35,403	27,676	61,473	92,295	18,776	13,998	10,740	10,332	9,588	8,238	23,418	32,773	28,667
2001	61,130	80,692	133,800	88,776	26,065	52,164	25,504	23,950	42,440	34,542	23,367	78,047	55,715
2002	76,757	75,589	67,307	54,666	49,957	16,561	20,165	14,100	28,625	45,052	75,244	95,511	51,517
2003	59,263	97,478	107,070	84,685	117,377	79,158	80,932	55,629	31,917	21,975	39,909	48,453	68,524
2004	57,968	109,256	64,711	32,273	30,030	42,174	43,183	21,346	49,831	34,083	81,570	103,282	55,417
2005	57,634	84,233	81,728	104,177	40,971	68,221	81,018	40,507	37,504	16,397	16,683	45,900	56,013
2006	65,520	101,400	93,280	43,270	47,070	12,661	10,070	9,894	9,648	17,432	45,670	33,220	40,405
2007	86,650	46,140	32,460	19,839	9,137	8,398	9,847	6,749	6,408	11,840	9,782	10,706	21,408
2008	21,415	93,640	65,100	50,030	43,760	18,121	8,560	26,720	18,232	10,842	12,042	73,800	36,523
2009	91,140	34,300	110,850	90,330	93,430	39,790	16,057	21,883	56,100	93,660	89,240	92,640	69,407
2010	89,110	94,540	88,810	50,570	70,750	33,070	16,373	12,843	8,361	9,849	15,340	24,690	42,610
2011	40,540	47,060	89,270	87,000	38,380	13,360	15,831	11,386	30,350	10,007	19,260	57,569	38,272
2012	76,339	82,190	83,090	34,100	19,945	14,406	14,305	20,452	30,807	21,346	14,634	54,749	38,676
2013	101,530	120,828	88,248	86,350	84,910	39,662	61,277	34,915	19,438	15,268	50,075	75,257	64,527
2014	85,854	92,271	76,390	98,410	68,452	46,217	23,579	12,055	11,644	23,305	25,685	45,211	50,473

Non-Exceedance Percentiles

03160204 - Mobile-Tensaw Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	20,473	27,676	32,460	17,781	9,137	8,398	8,560	6,749	6,408	8,238	9,782	10,706	21,408
5th %	28,617	45,548	50,840	31,652	18,332	12,599	10,059	10,310	9,526	9,839	12,020	22,172	31,577
10th %	37,237	47,566	56,311	34,091	19,828	13,934	12,751	11,327	10,362	10,759	12,855	31,819	33,112
15th %	54,568	58,405	61,413	42,376	20,753	16,238	14,500	12,007	11,272	11,750	15,234	33,153	38,010
20th %	57,901	69,915	65,022	44,520	27,065	20,005	15,588	13,053	12,051	13,282	17,327	38,135	40,059
30th %	64,700	75,529	76,676	50,408	33,494	25,733	17,269	15,116	15,078	15,854	23,402	44,857	42,222
40th %	71,933	83,074	85,129	66,124	39,934	29,681	22,069	20,093	17,988	17,765	30,756	54,874	51,649
Median	83,032	91,063	88,674	82,130	47,350	32,552	25,262	21,615	21,504	22,608	33,509	61,236	55,166
60th %	88,436	94,000	93,852	86,909	49,979	36,043	27,541	24,131	27,667	26,955	42,214	74,383	56,476
70th %	92,997	97,912	103,864	89,284	59,959	39,700	33,045	28,517	31,140	33,640	50,456	77,094	59,318
80th %	100,932	107,494	110,896	93,518	70,957	44,730	45,556	33,367	35,540	46,533	61,580	93,362	64,398
90th %	111,521	114,518	122,339	105,759	96,894	68,804	62,539	41,579	42,509	62,467	81,258	97,823	68,612
Maximum	122,749	154,844	141,875	157,665	137,332	92,254	92,823	60,420	56,100	110,053	90,507	125,674	85,401
Average	77,859	87,000	89,446	74,176	51,872	36,345	31,839	24,435	24,786	30,920	40,786	63,819	52,588

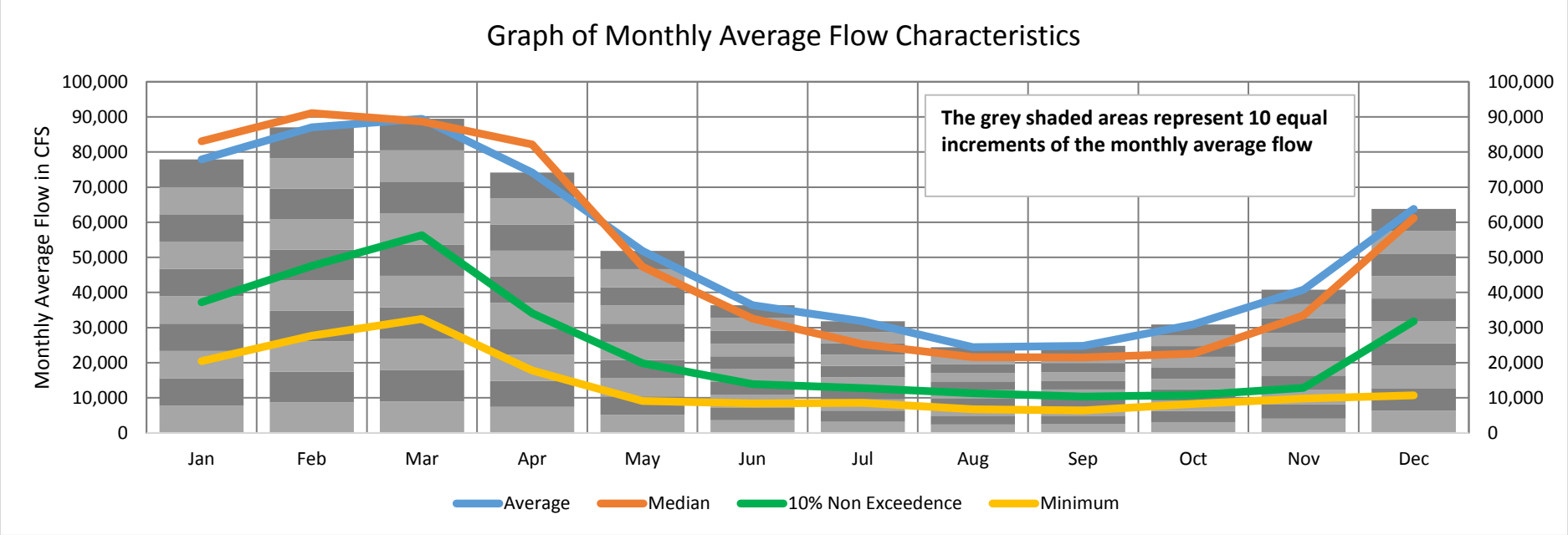
	Flows in CFS
Minimum	6,408.0
5th %	11,315
10th %	13,984
15th %	16,665
20th %	20,357
30th %	27,217
40th %	34,093
Median	44,534
60th %	57,254
70th %	74,067
80th %	88,306
90th %	101,269
Maximum	157,665
Average	52,774



Q10/Q50	0.31
Q10/Q90	0.14
	CFSM*
Qmin/DA	0.15
Q5/DA	0.26
Q10/DA	0.33
Q15/DA	0.39
Q20/DA	0.47
Q30/DA	0.63
Q40/DA	0.79
Q50/DA	1.04
Q60/DA	1.33
Q70/DA	1.72
Q80/DA	2.05
Q90/DA	2.36
Qmax/DA	3.67

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

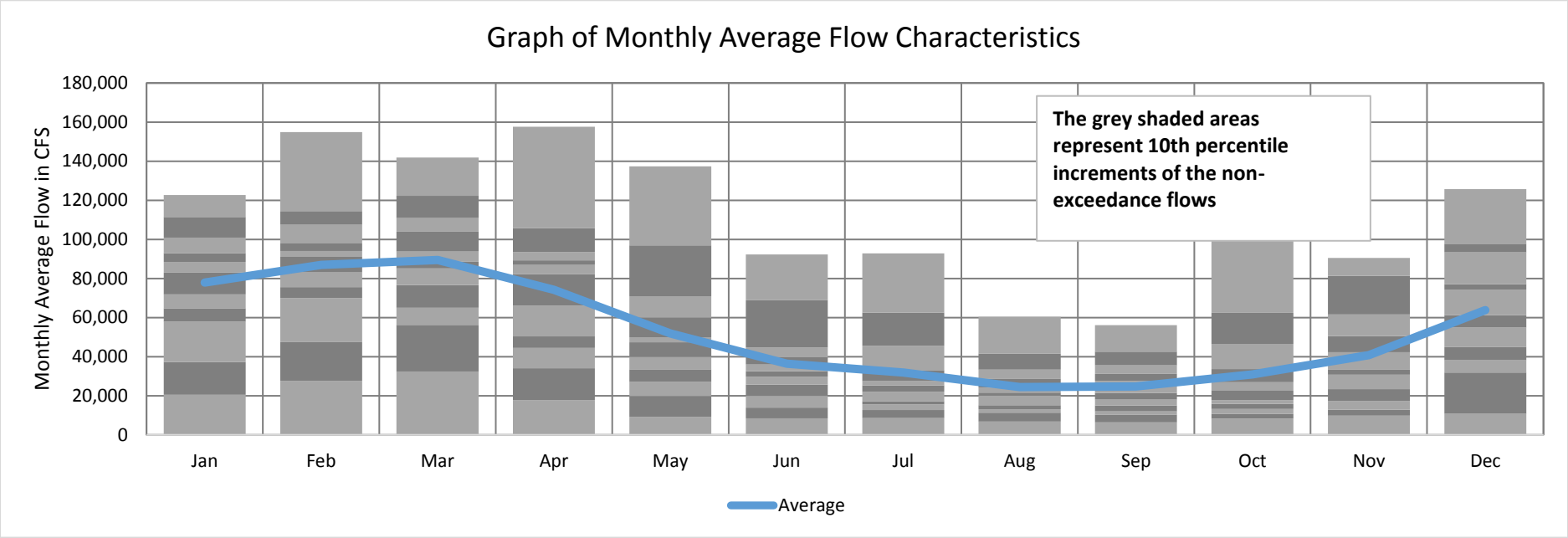
Site #: 03160204 Name: Mobile-Tensaw Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	77,859	87,000	89,446	74,176	51,872	36,345	31,839	24,435	24,786	30,920	40,786	63,819
100%	122,749	154,844	141,875	157,665	137,332	92,254	92,823	60,420	56,100	110,053	90,507	125,674
98%	119,967	136,323	140,231	144,444	121,767	90,478	83,615	56,683	53,354	97,266	89,519	117,694
95%	118,822	124,891	134,099	113,666	104,216	79,699	80,936	52,987	49,968	81,090	84,431	106,393
90%	111,521	114,518	122,339	105,759	96,894	68,804	62,539	41,579	42,509	62,467	81,258	97,823
75%	95,084	102,507	108,284	90,541	68,480	40,891	41,988	30,776	33,356	36,029	55,611	82,511
50%	83,032	91,063	88,674	82,130	47,350	32,552	25,262	21,615	21,504	22,608	33,509	61,236
25%	60,663	73,182	73,037	46,784	29,540	22,823	16,001	13,853	13,070	13,854	19,135	40,808
10%	37,237	47,566	56,311	34,091	19,828	13,934	12,751	11,327	10,362	10,759	12,855	31,819
5%	28,617	45,548	50,840	31,652	18,332	12,599	10,059	10,310	9,526	9,839	12,020	22,172
2%	21,208	32,843	35,160	19,386	13,964	10,754	9,564	9,202	7,931	9,340	11,196	17,580
0%	20,473	27,676	32,460	17,781	9,137	8,398	8,560	6,749	6,408	8,238	9,782	10,706

Site #: 03160204 Name: Mobile-Tensaw Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 43,000 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	77,859	87,000	89,446	74,176	51,872	36,345	31,839	24,435	24,786	30,920	40,786	63,819
100%	122,749	154,844	141,875	157,665	137,332	92,254	92,823	60,420	56,100	110,053	90,507	125,674
98%	119,967	136,323	140,231	144,444	121,767	90,478	83,615	56,683	53,354	97,266	89,519	117,694
95%	118,822	124,891	134,099	113,666	104,216	79,699	80,936	52,987	49,968	81,090	84,431	106,393
90%	111,521	114,518	122,339	105,759	96,894	68,804	62,539	41,579	42,509	62,467	81,258	97,823
75%	95,084	102,507	108,284	90,541	68,480	40,891	41,988	30,776	33,356	36,029	55,611	82,511
50%	83,032	91,063	88,674	82,130	47,350	32,552	25,262	21,615	21,504	22,608	33,509	61,236
25%	60,663	73,182	73,037	46,784	29,540	22,823	16,001	13,853	13,070	13,854	19,135	40,808
10%	37,237	47,566	56,311	34,091	19,828	13,934	12,751	11,327	10,362	10,759	12,855	31,819
5%	28,617	45,548	50,840	31,652	18,332	12,599	10,059	10,310	9,526	9,839	12,020	22,172
2%	21,208	32,843	35,160	19,386	13,964	10,754	9,564	9,202	7,931	9,340	11,196	17,580
0%	20,473	27,676	32,460	17,781	9,137	8,398	8,560	6,749	6,408	8,238	9,782	10,706

Monthly Flows (in CFS) for

03170008 - Escatawpa River Subbasin in Alabama

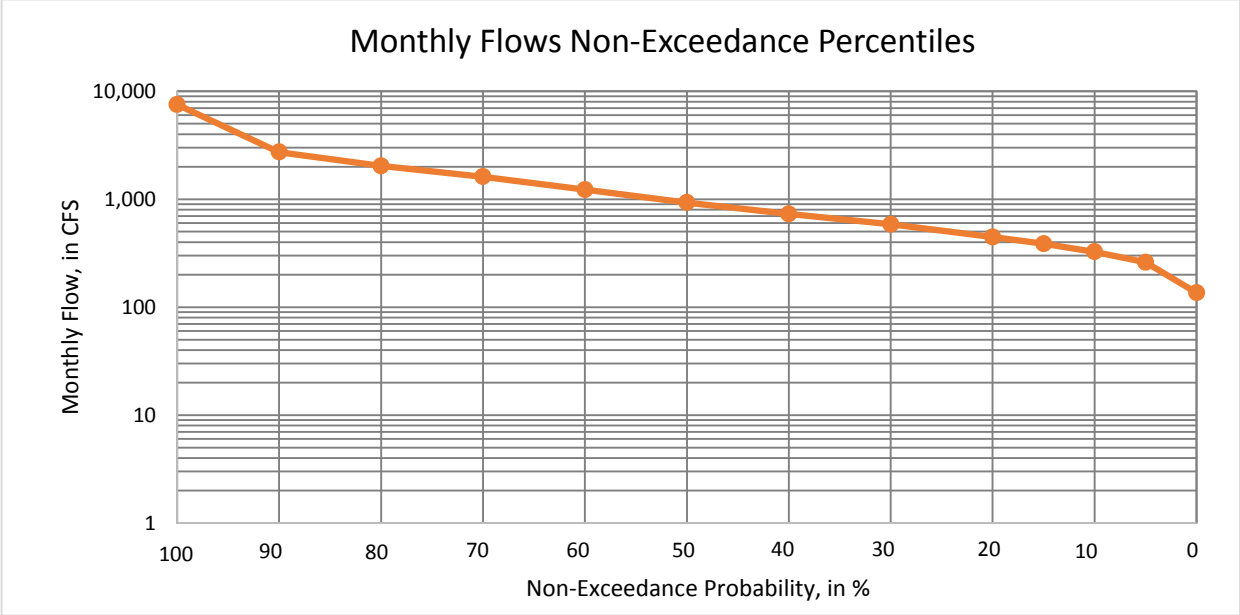
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	2,349	2,521	2,561	3,297	3,065	1,515	1,050	3,152	1,739	2,579	1,581	1,317	2,227
1976	1,297	1,422	1,174	1,212	1,245	935	561	348	371	344	923	1,787	966
1977	1,972	1,243	3,169	1,817	1,058	374	413	809	1,649	549	1,883	1,422	1,363
1978	2,933	1,740	1,650	1,288	2,594	2,778	666	727	391	271	302	645	1,330
1979	2,138	3,710	4,815	3,293	753	843	1,692	771	2,406	552	2,844	1,853	2,124
1980	1,947	1,281	3,891	6,555	4,811	1,110	718	536	456	1,022	740	694	1,983
1981	497	3,755	1,189	973	1,009	637	391	314	352	214	251	503	820
1982	1,273	3,351	920	952	626	524	926	1,126	448	332	664	2,824	1,151
1983	1,653	4,139	3,199	6,605	1,331	1,283	819	748	723	422	895	2,722	2,024
1984	2,433	2,146	2,491	1,403	1,736	536	516	1,022	376	475	493	962	1,214
1985	1,178	2,033	1,565	687	552	367	1,169	826	2,293	2,133	2,444	2,032	1,435
1986	1,812	2,063	2,117	906	621	693	355	383	386	341	1,180	2,001	1,066
1987	2,668	2,357	2,830	971	899	801	479	739	313	221	395	561	1,098
1988	1,050	1,889	2,039	1,397	316	262	521	551	2,530	1,044	1,031	811	1,112
1989	966	547	1,535	1,506	1,492	1,771	1,813	486	310	370	1,621	1,861	1,194
1990	3,738	4,652	4,010	1,566	2,509	1,101	446	418	294	247	394	538	1,644
1991	2,761	2,583	2,678	1,898	7,525	1,376	1,069	599	587	318	666	803	1,908
1992	3,052	3,497	1,564	983	373	430	429	458	392	243	2,854	2,410	1,376
1993	3,700	1,686	2,466	1,996	2,395	1,301	1,007	674	573	446	888	1,143	1,525
1994	1,393	1,688	1,551	1,679	718	768	1,945	445	335	428	424	1,171	1,043
1995	1,778	2,638	2,471	2,032	1,525	780	558	869	307	712	969	2,479	1,421
1996	2,395	2,126	2,562	2,632	750	600	533	704	421	309	372	831	1,180
1997	1,791	2,149	1,859	1,433	1,165	1,922	1,935	793	338	579	1,148	1,830	1,408
1998	4,974	2,433	3,286	1,241	587	464	633	702	3,011	3,851	867	650	1,893
1999	1,341	1,945	2,365	627	354	898	886	278	305	697	261	506	867
2000	502	408	964	644	192	180	152	195	194	136	659	574	400
2001	914	757	3,990	561	219	1,146	415	626	592	379	304	592	878
2002	728	731	1,709	672	217	229	387	303	1,713	2,255	2,189	2,530	1,141
2003	1,674	1,612	2,810	1,401	1,681	2,989	3,751	1,607	1,280	551	644	1,000	1,753
2004	1,123	2,583	1,108	735	1,417	1,603	1,479	692	968	541	1,451	1,490	1,256
2005	929	1,773	1,104	3,452	1,014	1,463	3,485	1,566	1,509	562	499	791	1,508
2006	853	1,255	923	411	456	225	248	340	253	534	1,440	1,802	726
2007	2,632	1,145	606	710	242	511	778	260	270	682	512	839	765
2008	1,549	1,974	1,195	1,336	456	259	302	710	1,617	321	279	772	889
2009	915	613	3,670	3,222	2,749	555	263	417	930	768	1,114	5,396	1,730
2010	2,722	3,761	1,707	621	1,740	599	520	502	258	238	438	392	1,110
2011	596	971	1,665	657	187	199	722	344	827	250	262	349	584
2012	661	2,313	2,569	871	783	986	922	2,428	3,030	749	367	922	1,376
2013	1,394	3,112	1,191	1,735	2,217	482	681	1,044	575	352	427	1,490	1,214
2014	1,116	2,496	2,017	2,852	3,632	1,460	816	494	417	326	302	706	1,379

Non-Exceedance Percentiles

03170008 - Escatawpa River Subbasin in Alabama

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	497	408	606	411	187	180	152	195	194	136	251	349	400
5th %	592	610	922	618	216	223	262	277	258	220	262	498	718
10th %	721	754	1,090	642	240	256	350	313	292	242	299	535	814
15th %	905	1,119	1,164	670	348	351	390	343	307	250	304	572	876
20th %	927	1,252	1,191	706	439	419	415	376	312	302	371	634	950
30th %	1,121	1,664	1,560	938	611	520	505	454	365	330	426	752	1,107
40th %	1,324	1,843	1,690	1,120	752	600	548	522	391	363	507	823	1,169
Median	1,601	2,048	2,028	1,366	1,011	774	674	650	452	437	665	981	1,235
60th %	1,799	2,214	2,468	1,462	1,279	913	793	706	589	545	891	1,359	1,376
70th %	2,201	2,503	2,564	1,760	1,572	1,121	923	755	942	567	1,056	1,792	1,425
80th %	2,639	2,733	2,898	2,152	2,252	1,393	1,089	835	1,624	719	1,443	1,889	1,661
90th %	2,945	3,715	3,692	3,293	2,781	1,620	1,825	1,170	2,304	1,153	1,913	2,484	1,916
Maximum	4,974	4,652	4,815	6,605	7,525	2,989	3,751	3,152	3,030	3,851	2,854	5,396	2,227
Average	1,785	2,127	2,180	1,721	1,430	924	911	750	894	684	924	1,350	1,302

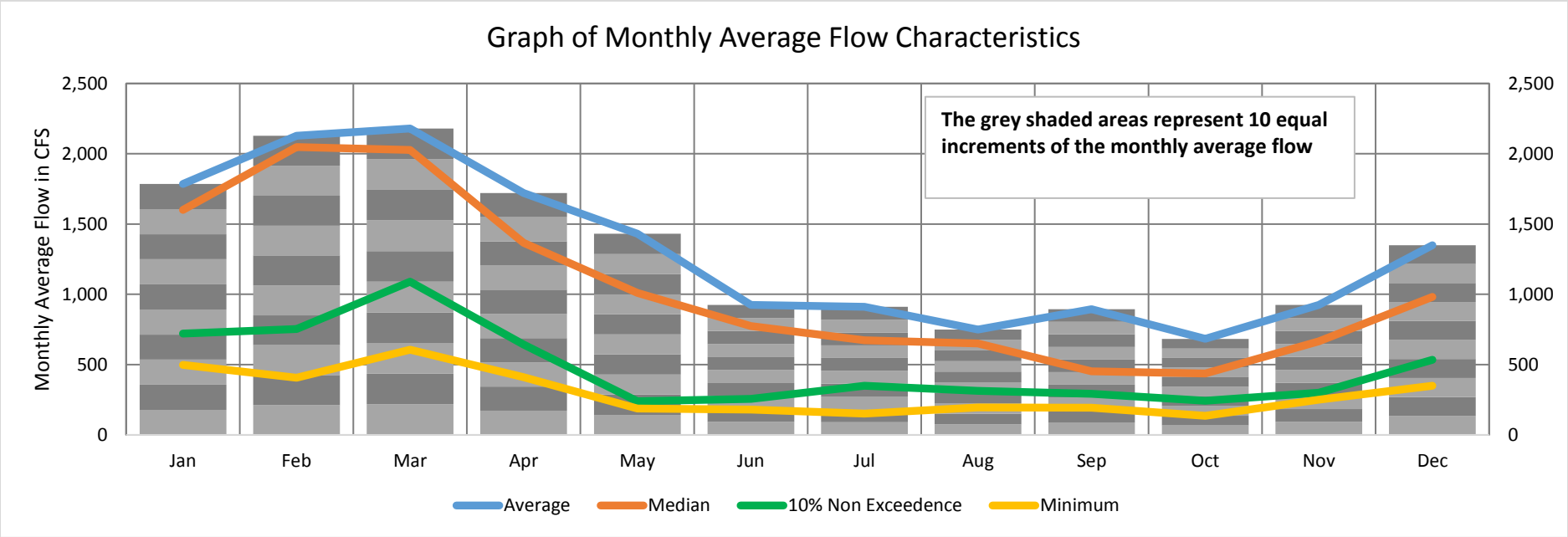
	Flows in CFS
Minimum	136.0
5th %	260
10th %	326
15th %	386
20th %	446
30th %	585
40th %	729
Median	930
60th %	1,224
70th %	1,613
80th %	2,033
90th %	2,725
Maximum	7,525
Average	1,307



Q10/Q50	0.35
Q10/Q90	0.12
	CFSM*
Qmin/DA	0.18
Q5/DA	0.34
Q10/DA	0.42
Q15/DA	0.50
Q20/DA	0.58
Q30/DA	0.76
Q40/DA	0.95
Q50/DA	1.21
Q60/DA	1.60
Q70/DA	2.10
Q80/DA	2.65
Q90/DA	3.55
Qmax/DA	9.81

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

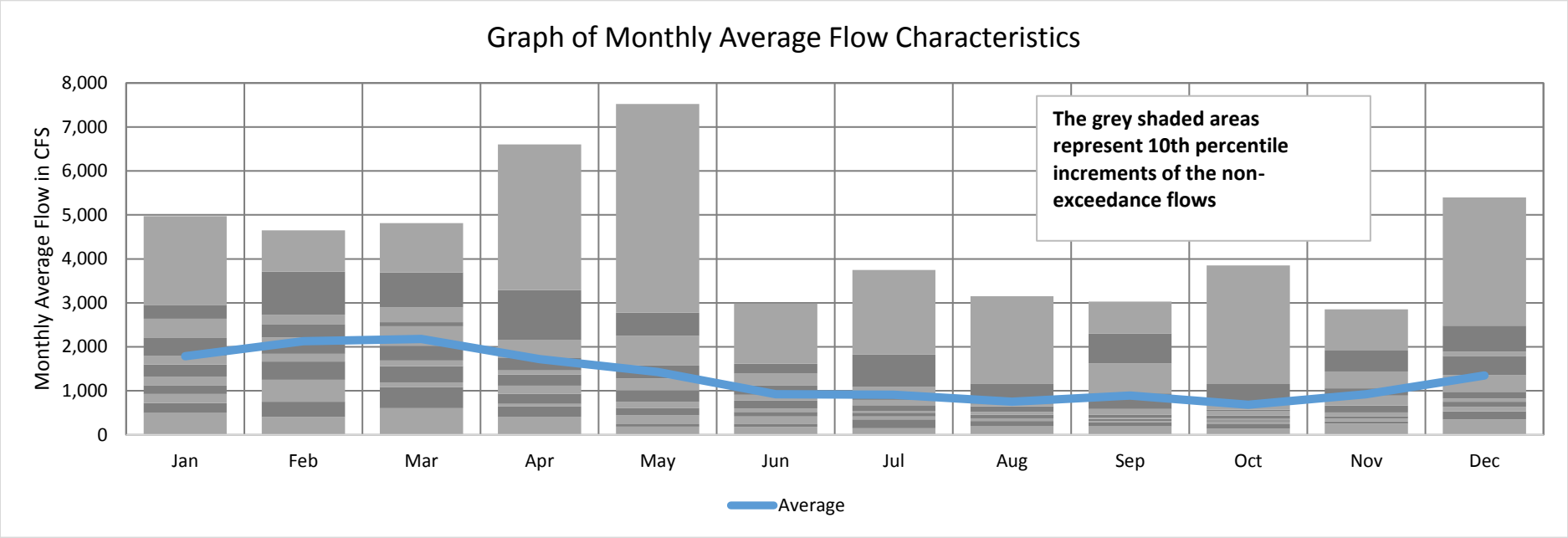
Site #: 03170008 Name: Escatawpa River Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	1,785	2,127	2,180	1,721	1,430	924	911	750	894	684	924	1,350
100%	4,974	4,652	4,815	6,605	7,525	2,989	3,751	3,152	3,030	3,851	2,854	5,396
98%	4,010	4,252	4,187	6,566	5,408	2,824	3,543	2,587	3,015	2,859	2,846	3,390
95%	3,701	3,780	3,991	3,607	3,691	1,964	2,022	1,648	2,554	2,271	2,464	2,727
90%	2,945	3,715	3,692	3,293	2,781	1,620	1,825	1,170	2,304	1,153	1,913	2,484
75%	2,404	2,583	2,711	1,922	1,737	1,288	1,018	797	1,338	685	1,156	1,836
50%	1,601	2,048	2,028	1,366	1,011	774	674	650	452	437	665	981
25%	1,029	1,387	1,450	837	528	477	442	418	337	320	395	683
10%	721	754	1,090	642	240	256	350	313	292	242	299	535
5%	592	610	922	618	216	223	262	277	258	220	262	498
2%	501	517	851	528	191	195	227	246	240	197	259	383
0%	497	408	606	411	187	180	152	195	194	136	251	349

Site #: 03170008 Name: Escatawpa River Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 767 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	1,785	2,127	2,180	1,721	1,430	924	911	750	894	684	924	1,350
100%	4,974	4,652	4,815	6,605	7,525	2,989	3,751	3,152	3,030	3,851	2,854	5,396
98%	4,010	4,252	4,187	6,566	5,408	2,824	3,543	2,587	3,015	2,859	2,846	3,390
95%	3,701	3,780	3,991	3,607	3,691	1,964	2,022	1,648	2,554	2,271	2,464	2,727
90%	2,945	3,715	3,692	3,293	2,781	1,620	1,825	1,170	2,304	1,153	1,913	2,484
75%	2,404	2,583	2,711	1,922	1,737	1,288	1,018	797	1,338	685	1,156	1,836
50%	1,601	2,048	2,028	1,366	1,011	774	674	650	452	437	665	981
25%	1,029	1,387	1,450	837	528	477	442	418	337	320	395	683
10%	721	754	1,090	642	240	256	350	313	292	242	299	535
5%	592	610	922	618	216	223	262	277	258	220	262	498
2%	501	517	851	528	191	195	227	246	240	197	259	383
0%	497	408	606	411	187	180	152	195	194	136	251	349

Monthly Flows (in CFS) for
06030001 - Guntersville Lake Subbasin

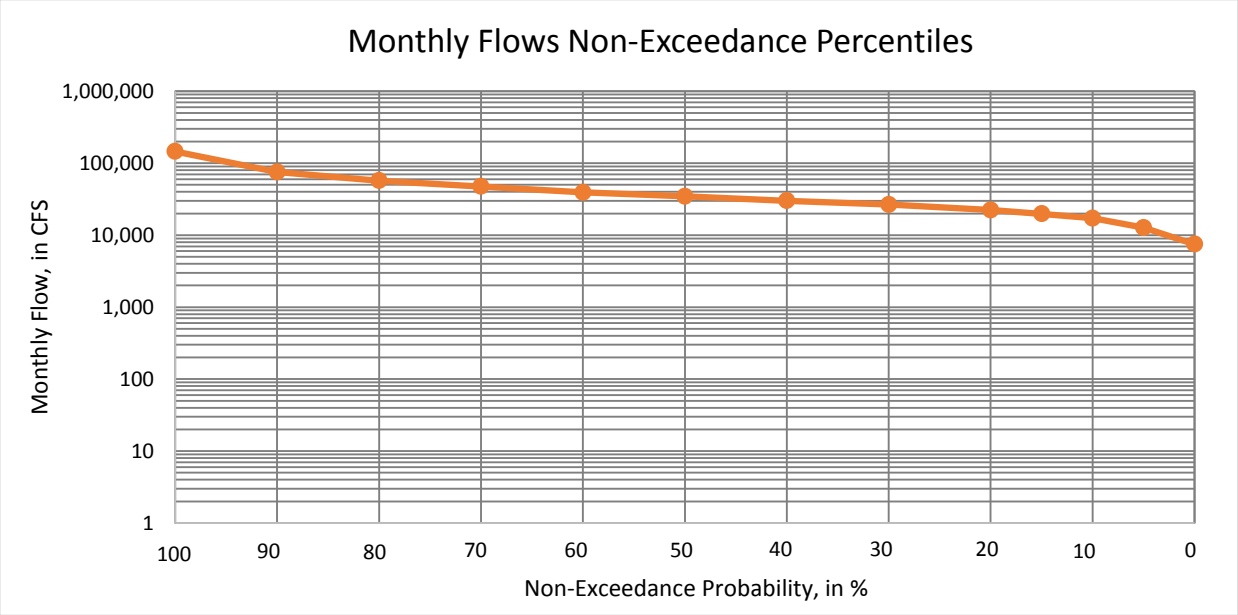
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	78,874	94,639	108,158	69,660	38,458	39,863	41,687	34,490	34,937	39,800	45,110	46,671	55,806
1976	65,010	47,410	40,887	23,743	26,729	36,660	43,552	36,145	29,573	32,523	33,947	50,394	38,898
1977	54,868	30,989	54,710	79,360	34,090	32,610	29,858	28,177	38,710	47,577	83,237	86,629	50,133
1978	82,090	55,493	49,358	22,327	31,468	27,403	25,661	35,716	29,113	17,774	17,290	37,977	35,943
1979	87,077	57,064	96,926	50,590	41,935	45,947	53,410	43,184	45,357	45,442	75,433	52,884	57,984
1980	65,490	41,876	98,884	56,717	39,690	30,563	33,326	26,310	25,017	19,761	22,723	21,081	40,175
1981	19,055	38,032	19,397	19,973	11,806	32,577	26,648	26,690	24,427	21,500	18,677	34,623	24,345
1982	90,623	95,986	62,542	22,363	15,477	21,820	28,700	38,310	32,167	29,794	36,483	92,339	47,024
1983	54,523	62,232	31,758	54,400	60,461	43,873	36,258	36,665	23,253	17,026	34,573	71,194	43,753
1984	49,389	46,915	51,869	37,367	106,009	31,195	40,062	43,624	36,145	24,951	30,061	35,679	44,536
1985	33,385	60,083	27,184	12,877	14,879	16,536	21,944	31,062	21,500	22,539	23,727	34,278	26,479
1986	20,403	35,562	26,602	7,609	8,223	10,217	15,475	13,413	17,473	22,213	39,552	56,232	22,687
1987	51,517	56,215	59,288	28,430	25,491	24,026	27,397	26,408	18,293	22,645	19,255	16,889	31,213
1988	38,414	29,431	16,232	11,818	7,472	11,266	12,471	15,162	17,214	16,440	28,353	25,627	19,096
1989	67,436	61,079	65,857	29,921	40,568	78,517	65,141	40,125	48,955	74,316	70,922	60,973	58,648
1990	87,029	145,342	93,215	20,795	39,456	31,575	29,812	37,627	26,997	28,973	33,202	74,449	53,573
1991	68,306	82,331	77,726	48,081	38,472	31,905	31,988	35,741	32,207	24,931	32,381	100,687	50,290
1992	64,356	33,830	49,399	14,356	19,018	36,656	35,151	30,970	34,551	35,679	58,135	82,345	41,322
1993	85,660	43,666	78,703	45,898	25,231	25,027	22,112	29,446	27,709	19,032	23,853	49,173	39,691
1994	73,647	117,521	103,061	130,153	25,920	32,672	42,374	43,599	43,407	45,954	40,551	47,723	61,766
1995	63,383	69,982	63,154	12,035	16,419	19,805	23,150	31,894	35,104	51,508	59,319	48,744	41,077
1996	87,213	91,973	62,517	31,662	31,454	41,762	25,014	38,048	37,132	41,602	51,683	80,182	51,478
1997	82,351	63,603	100,560	28,639	46,647	66,639	38,301	31,620	30,602	35,867	36,541	26,971	49,001
1998	67,535	86,800	61,906	85,246	55,673	51,227	27,134	30,700	24,945	21,908	22,382	34,489	47,189
1999	68,090	46,840	49,839	10,141	29,484	19,233	46,486	29,457	21,947	22,455	26,166	23,965	32,874
2000	26,524	25,175	29,235	49,217	14,309	15,899	19,623	32,549	21,320	27,688	27,208	22,377	25,906
2001	30,662	52,466	38,668	14,308	11,038	17,875	18,597	39,031	28,964	28,584	27,073	39,019	28,737
2002	63,537	35,909	47,515	25,943	30,237	16,642	20,010	25,029	26,775	27,545	56,569	79,357	38,010
2003	43,008	105,410	59,994	41,250	111,467	48,751	53,087	49,152	42,496	38,348	50,446	66,325	58,911
2004	58,069	70,146	47,073	11,756	12,120	35,044	33,611	31,905	73,924	46,460	73,254	122,442	51,193
2005	57,751	54,560	43,808	40,699	23,916	31,408	42,565	32,616	35,706	29,465	24,803	32,185	37,363
2006	48,779	38,604	21,612	26,589	19,805	17,484	18,933	27,673	28,064	32,330	57,328	29,309	30,456
2007	51,361	22,509	18,642	11,658	10,117	19,977	16,221	26,104	10,987	11,893	11,300	10,637	18,472
2008	20,550	35,641	36,218	18,764	10,702	14,097	14,929	25,516	12,508	12,694	10,191	49,661	21,762
2009	65,214	29,196	32,790	26,522	55,017	29,826	19,833	29,916	36,881	54,308	71,888	104,614	46,530
2010	76,130	96,996	34,923	16,609	28,325	19,867	14,874	26,314	21,251	20,388	29,106	49,903	35,883
2011	40,647	30,999	98,519	72,388	26,625	23,689	23,674	24,366	36,106	25,119	48,019	93,008	45,383
2012	77,273	57,500	51,133	10,093	10,915	17,187	18,989	29,510	28,148	29,823	33,039	36,317	33,251
2013	102,151	104,564	56,283	48,142	81,751	52,431	82,394	35,818	35,356	33,383	34,779	73,106	61,536
2014	69,799	63,653	33,741	24,132	16,018	19,538	20,485	26,775	26,696	41,581	42,463	42,437	35,460

Non-Exceedance Percentiles

06030001 - Guntersville Lake Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	19,055	22,509	16,232	7,609	7,472	10,217	12,471	13,413	10,987	11,893	10,191	10,637	18,472
5th %	20,542	28,995	19,359	10,138	10,022	13,955	14,926	23,906	16,979	16,253	16,991	20,871	21,629
10th %	30,248	30,833	26,103	11,746	10,893	16,472	16,146	25,468	18,211	17,699	19,197	23,806	24,179
15th %	37,659	33,406	28,928	12,002	11,691	17,105	18,882	26,279	21,310	19,652	22,672	26,770	26,393
20th %	42,536	35,625	32,584	14,021	13,871	17,796	19,496	26,389	21,858	21,278	23,828	31,609	30,112
30th %	51,470	40,894	37,933	19,611	16,298	19,849	21,506	28,026	24,995	22,513	27,167	35,362	34,798
40th %	57,942	47,212	47,338	23,191	24,705	23,891	24,478	29,753	27,424	25,052	31,453	41,070	37,751
Median	64,683	55,854	50,486	26,556	26,677	30,195	27,266	31,341	29,038	28,779	34,260	48,958	40,626
60th %	67,476	60,481	57,485	30,617	30,724	31,707	30,710	32,576	32,183	30,826	37,746	51,390	44,875
70th %	70,953	65,551	62,524	42,644	38,462	33,384	35,483	35,764	35,180	35,735	45,983	67,786	47,733
80th %	79,517	87,834	77,922	49,491	40,841	40,243	41,825	37,711	36,292	41,585	56,721	79,522	51,250
90th %	87,033	97,753	98,555	69,933	56,152	48,999	47,147	40,431	42,587	46,572	71,019	92,406	58,051
Maximum	102,151	145,342	108,158	130,153	111,467	78,517	82,394	49,152	73,924	74,316	83,237	122,442	61,766
Average	60,929	60,456	54,997	34,806	32,322	30,482	31,023	31,921	30,548	31,045	39,025	53,572	40,846

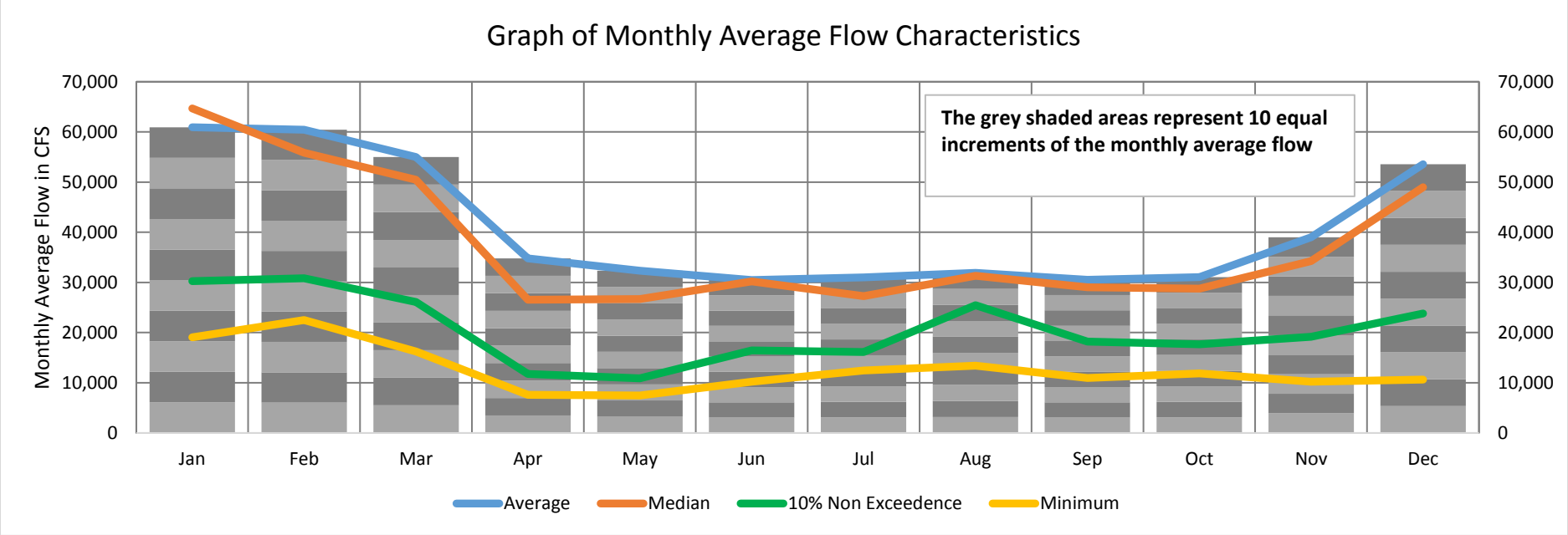
	Flows in CFS
Minimum	7,472.3
5th %	12,685
10th %	17,171
15th %	19,805
20th %	22,356
30th %	26,641
40th %	30,005
Median	34,562
60th %	39,201
70th %	47,534
80th %	57,117
90th %	75,503
Maximum	145,342
Average	40,927



Q10/Q50	0.50
Q10/Q90	0.23
	CFSM*
Qmin/DA	0.31
Q5/DA	0.52
Q10/DA	0.70
Q15/DA	0.81
Q20/DA	0.91
Q30/DA	1.09
Q40/DA	1.23
Q50/DA	1.41
Q60/DA	1.60
Q70/DA	1.94
Q80/DA	2.34
Q90/DA	3.09
Qmax/DA	5.94

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

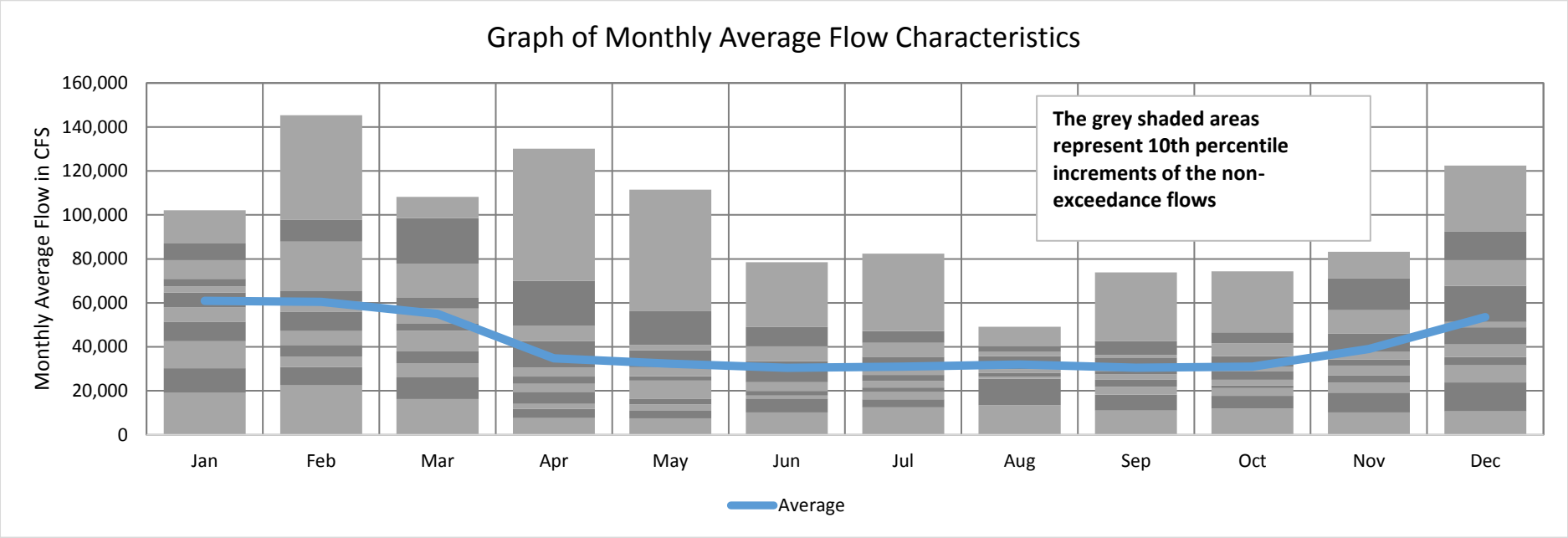
Site #: 06030001 Name: Guntersville Lake Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	60,929	60,456	54,997	34,806	32,322	30,482	31,023	31,921	30,548	31,045	39,025	53,572
100%	102,151	145,342	108,158	130,153	111,467	78,517	82,394	49,152	73,924	74,316	83,237	122,442
98%	93,159	123,641	104,183	95,125	107,210	69,252	68,937	44,840	54,448	58,709	77,150	108,536
95%	87,383	106,015	100,685	79,654	82,964	53,142	53,996	43,600	45,537	51,648	73,363	100,884
90%	87,033	97,753	98,555	69,933	56,152	48,999	47,147	40,431	42,587	46,572	71,019	92,406
75%	76,416	73,193	63,830	48,097	39,514	36,657	38,741	36,275	35,806	38,711	50,755	73,442
50%	64,683	55,854	50,486	26,556	26,677	30,195	27,266	31,341	29,038	28,779	34,260	48,958
25%	49,236	37,501	34,627	16,045	15,328	19,462	19,965	26,754	24,133	22,137	25,825	34,436
10%	30,248	30,833	26,103	11,746	10,893	16,472	16,146	25,468	18,211	17,699	19,197	23,806
5%	20,542	28,995	19,359	10,138	10,022	13,955	14,926	23,906	16,979	16,253	16,991	20,871
2%	20,106	24,588	18,111	9,547	8,058	11,036	14,345	14,777	12,173	12,518	11,056	15,513
0%	19,055	22,509	16,232	7,609	7,472	10,217	12,471	13,413	10,987	11,893	10,191	10,637

Site #: 06030001 Name: Guntersville Lake Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 24,450 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	60,929	60,456	54,997	34,806	32,322	30,482	31,023	31,921	30,548	31,045	39,025	53,572
100%	102,151	145,342	108,158	130,153	111,467	78,517	82,394	49,152	73,924	74,316	83,237	122,442
98%	93,159	123,641	104,183	95,125	107,210	69,252	68,937	44,840	54,448	58,709	77,150	108,536
95%	87,383	106,015	100,685	79,654	82,964	53,142	53,996	43,600	45,537	51,648	73,363	100,884
90%	87,033	97,753	98,555	69,933	56,152	48,999	47,147	40,431	42,587	46,572	71,019	92,406
75%	76,416	73,193	63,830	48,097	39,514	36,657	38,741	36,275	35,806	38,711	50,755	73,442
50%	64,683	55,854	50,486	26,556	26,677	30,195	27,266	31,341	29,038	28,779	34,260	48,958
25%	49,236	37,501	34,627	16,045	15,328	19,462	19,965	26,754	24,133	22,137	25,825	34,436
10%	30,248	30,833	26,103	11,746	10,893	16,472	16,146	25,468	18,211	17,699	19,197	23,806
5%	20,542	28,995	19,359	10,138	10,022	13,955	14,926	23,906	16,979	16,253	16,991	20,871
2%	20,106	24,588	18,111	9,547	8,058	11,036	14,345	14,777	12,173	12,518	11,056	15,513
0%	19,055	22,509	16,232	7,609	7,472	10,217	12,471	13,413	10,987	11,893	10,191	10,637

Monthly Flows (in CFS) for
06030002 - Wheeler Lake Subbasin

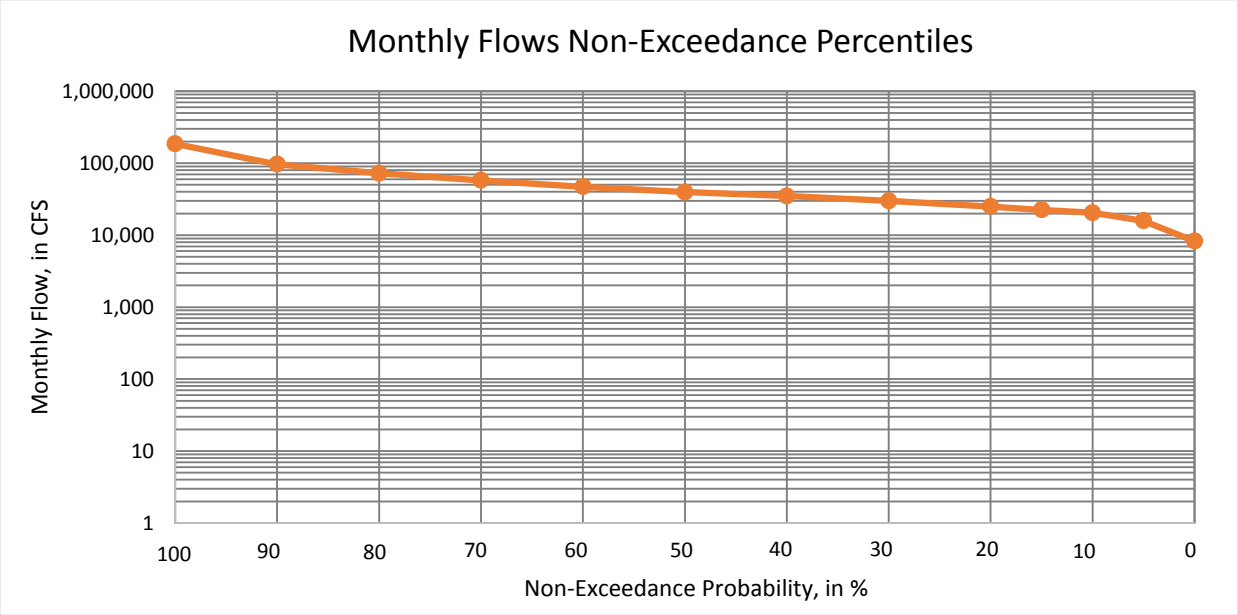
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	104,945	113,900	142,768	87,570	48,910	44,030	45,600	38,239	40,727	66,855	54,587	56,487	70,177
1976	81,135	59,607	51,581	26,163	33,677	41,927	47,913	38,700	31,990	37,387	38,260	57,581	45,497
1977	64,755	36,850	82,945	102,823	37,723	34,767	32,123	29,523	43,537	57,626	106,553	107,245	61,458
1978	94,706	64,039	64,119	23,403	47,055	35,340	31,865	41,223	31,473	20,806	20,577	45,290	43,326
1979	109,603	68,064	117,348	69,470	47,400	53,727	55,668	48,829	54,670	55,723	90,393	62,742	69,508
1980	76,497	52,131	137,690	73,010	53,639	35,240	35,261	30,374	27,900	22,103	29,527	24,910	49,931
1981	21,097	44,946	23,777	28,033	14,535	36,297	29,281	29,265	26,457	22,152	21,160	43,435	28,238
1982	114,397	106,586	73,032	31,930	22,432	26,217	34,652	45,252	36,487	31,990	41,030	108,165	55,841
1983	64,535	74,721	43,097	82,900	86,719	51,783	41,461	39,326	26,650	20,232	39,407	94,652	55,356
1984	62,951	53,293	62,885	50,219	129,806	34,869	42,029	46,238	37,063	29,579	38,674	47,202	53,036
1985	39,428	78,325	29,429	15,247	21,128	18,813	23,806	37,813	24,404	28,418	29,300	39,811	31,893
1986	23,310	46,140	33,485	9,754	9,996	13,967	18,335	15,672	21,004	24,659	56,750	79,121	29,255
1987	63,605	69,112	77,459	31,018	28,424	26,378	27,387	29,829	20,860	22,524	20,797	22,172	36,494
1988	52,442	36,297	18,693	17,328	8,248	11,285	14,361	16,234	20,401	17,869	37,234	35,232	23,724
1989	97,164	79,838	92,638	45,758	44,876	103,247	82,616	42,789	53,296	92,065	79,030	67,507	73,383
1990	110,269	185,671	114,999	26,039	48,238	34,906	31,368	38,721	27,935	29,637	34,887	116,153	65,980
1991	87,063	115,911	100,794	73,514	62,066	37,155	33,704	38,365	34,714	26,294	33,830	132,687	64,471
1992	77,940	40,636	62,647	18,191	20,379	42,319	38,862	34,037	39,898	38,826	68,777	93,290	48,106
1993	103,224	51,821	92,479	54,310	36,378	27,110	23,278	31,423	29,427	20,589	27,857	56,320	46,264
1994	87,727	153,643	125,138	148,861	31,441	37,300	47,367	47,076	45,717	49,848	45,608	62,748	72,927
1995	71,971	83,302	77,749	15,927	20,380	21,058	25,347	36,099	37,552	62,255	75,490	60,996	48,855
1996	107,363	106,431	84,395	46,324	35,672	43,616	27,571	41,668	42,536	47,222	57,994	101,456	61,644
1997	101,005	81,174	126,118	30,642	56,593	92,633	44,097	33,818	34,675	44,684	45,524	35,445	60,470
1998	93,557	108,117	81,269	97,948	64,132	57,667	29,953	36,381	28,286	24,593	24,803	42,858	57,105
1999	97,424	62,069	65,547	12,910	38,892	23,262	51,443	30,176	23,434	22,488	28,183	26,598	40,222
2000	31,114	28,492	39,605	70,219	15,844	17,887	20,452	32,953	20,843	31,354	32,803	31,204	31,037
2001	42,711	72,327	57,797	21,202	17,076	29,160	23,864	48,260	34,988	33,226	31,626	63,236	39,468
2002	85,899	49,311	58,822	38,099	41,476	17,950	21,523	24,031	28,983	31,411	65,944	97,505	46,824
2003	50,571	131,291	78,215	43,730	140,598	53,813	60,875	51,491	45,152	39,389	52,054	72,230	67,981
2004	64,869	99,730	62,688	12,128	12,882	40,275	38,203	31,861	75,785	50,939	83,149	164,906	61,231
2005	68,501	66,479	51,212	51,146	24,792	31,835	42,061	31,627	34,998	28,701	27,943	36,834	41,191
2006	61,773	47,900	24,628	30,852	25,066	17,739	17,783	24,847	27,968	32,820	59,382	31,565	33,404
2007	60,985	26,676	21,038	11,273	11,594	19,201	16,449	24,540	12,465	12,710	12,519	12,332	20,164
2008	21,818	46,580	46,991	27,293	15,684	16,874	16,057	27,289	14,041	15,201	12,368	72,856	27,710
2009	86,233	33,595	47,228	41,105	83,001	33,768	22,046	32,000	46,856	69,182	82,969	128,378	59,155
2010	92,958	119,847	45,754	21,335	37,784	23,253	15,981	26,790	23,337	22,817	32,795	60,275	43,152
2011	52,676	38,863	120,331	103,648	36,125	26,875	27,208	25,758	42,159	27,896	50,836	117,357	55,950
2012	105,800	73,745	62,129	11,217	11,700	18,969	20,545	31,587	32,997	37,105	37,147	48,084	40,822
2013	131,827	121,522	72,179	60,639	104,157	58,527	96,492	42,128	39,381	37,022	38,831	86,153	73,952
2014	83,138	80,886	42,792	33,386	21,989	28,792	23,025	29,662	29,795	50,231	51,178	56,131	44,042

Non-Exceedance Percentiles

06030002 - Wheeler Lake Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	21,097	26,676	18,693	9,754	8,248	11,285	14,361	15,672	12,465	12,710	12,368	12,332	20,164
5th %	23,235	33,340	23,640	11,270	11,514	16,729	16,053	23,641	20,083	17,736	20,174	24,773	27,511
10th %	38,597	36,795	28,948	12,832	12,764	17,873	17,649	24,816	20,859	20,553	21,124	30,744	29,153
15th %	49,392	40,370	38,687	15,825	15,511	18,684	20,134	26,635	22,987	21,909	27,399	34,682	31,764
20th %	52,629	45,901	43,036	18,018	16,830	19,154	21,327	28,869	24,210	22,420	28,135	36,556	35,876
30th %	63,409	51,068	50,017	25,248	21,731	25,330	23,648	30,072	27,924	24,639	32,444	44,734	41,080
40th %	67,048	61,084	60,806	29,599	27,081	28,119	27,315	31,611	29,249	28,588	36,243	56,244	44,915
Median	79,538	68,588	63,502	32,658	35,898	34,267	30,660	33,385	32,493	31,382	38,752	60,635	48,481
60th %	86,565	76,163	74,803	44,541	38,227	35,280	34,083	36,954	34,992	34,745	45,558	64,944	55,550
70th %	93,902	81,813	81,772	52,095	47,158	38,192	39,642	38,706	38,100	38,995	52,813	81,231	59,550
80th %	101,449	106,892	94,269	70,777	54,230	43,699	44,397	41,760	42,234	49,925	60,695	98,295	62,209
90th %	107,587	120,014	120,812	88,608	83,373	54,198	51,866	46,322	45,830	58,089	79,424	116,273	69,575
Maximum	131,827	185,671	142,768	148,861	140,598	103,247	96,492	51,491	75,785	92,065	106,553	164,906	73,952
Average	76,225	75,247	70,337	44,914	41,213	35,496	34,448	34,547	33,771	35,911	45,444	67,479	49,481

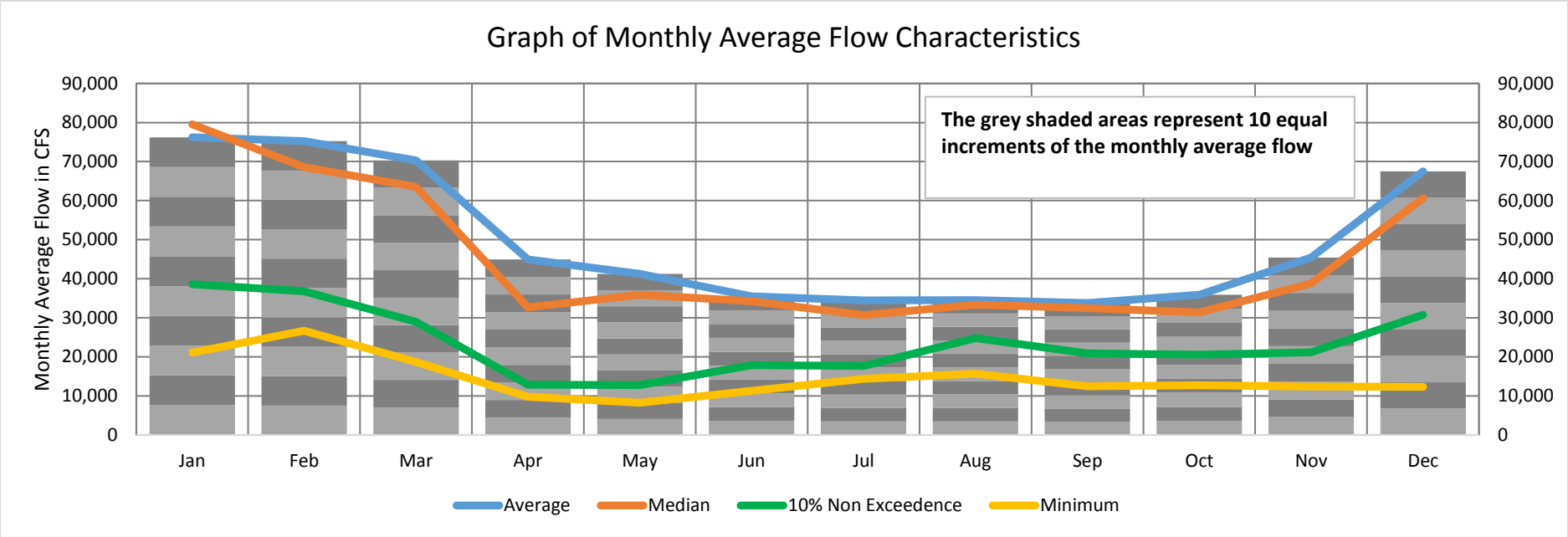
	Flows in CFS
Minimum	8,247.5
5th %	15,836
10th %	20,447
15th %	22,479
20th %	25,035
30th %	29,916
40th %	34,955
Median	39,708
60th %	47,063
70th %	57,594
80th %	72,433
90th %	96,559
Maximum	185,671
Average	49,586



Q10/Q50	0.51
Q10/Q90	0.21
	CFSM*
Qmin/DA	0.28
Q5/DA	0.54
Q10/DA	0.69
Q15/DA	0.76
Q20/DA	0.85
Q30/DA	1.01
Q40/DA	1.18
Q50/DA	1.34
Q60/DA	1.59
Q70/DA	1.95
Q80/DA	2.45
Q90/DA	3.26
Qmax/DA	6.27

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

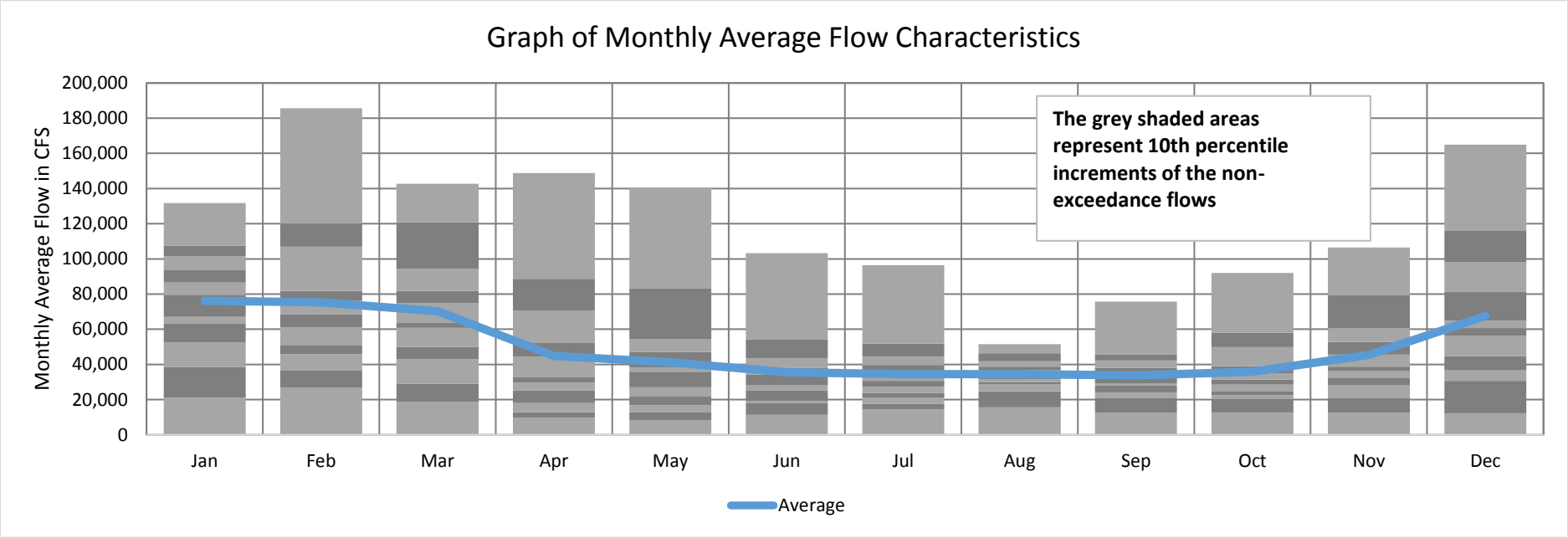
Site #: 06030002 Name: Wheeler Lake Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	76,225	75,247	70,337	44,914	41,213	35,496	34,448	34,547	33,771	35,911	45,444	67,479
100%	131,827	185,671	142,768	148,861	140,598	103,247	96,492	51,491	75,785	92,065	106,553	164,906
98%	118,231	160,689	138,807	113,595	132,180	94,968	85,669	49,415	59,315	74,216	93,949	139,775
95%	110,475	132,409	126,697	102,865	105,439	60,233	61,962	48,288	53,365	66,971	83,511	128,593
90%	107,587	120,014	120,812	88,608	83,373	54,198	51,866	46,322	45,830	58,089	79,424	116,273
75%	97,229	101,406	86,416	62,847	48,406	42,025	42,037	39,800	40,105	45,318	57,061	93,631
50%	79,538	68,588	63,502	32,658	35,898	34,267	30,660	33,385	32,493	31,382	38,752	60,635
25%	61,576	47,570	46,682	21,302	20,380	22,704	22,780	29,627	26,602	22,744	29,470	42,096
10%	38,597	36,795	28,948	12,832	12,764	17,873	17,649	24,816	20,859	20,553	21,124	30,744
5%	23,235	33,340	23,640	11,270	11,514	16,729	16,053	23,641	20,083	17,736	20,174	24,773
2%	21,660	28,093	20,522	10,895	9,611	13,377	15,624	16,111	13,694	14,653	12,486	20,008
0%	21,097	26,676	18,693	9,754	8,248	11,285	14,361	15,672	12,465	12,710	12,368	12,332

Site #: 06030002 Name: Wheeler Lake Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 29,590 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	76,225	75,247	70,337	44,914	41,213	35,496	34,448	34,547	33,771	35,911	45,444	67,479
100%	131,827	185,671	142,768	148,861	140,598	103,247	96,492	51,491	75,785	92,065	106,553	164,906
98%	118,231	160,689	138,807	113,595	132,180	94,968	85,669	49,415	59,315	74,216	93,949	139,775
95%	110,475	132,409	126,697	102,865	105,439	60,233	61,962	48,288	53,365	66,971	83,511	128,593
90%	107,587	120,014	120,812	88,608	83,373	54,198	51,866	46,322	45,830	58,089	79,424	116,273
75%	97,229	101,406	86,416	62,847	48,406	42,025	42,037	39,800	40,105	45,318	57,061	93,631
50%	79,538	68,588	63,502	32,658	35,898	34,267	30,660	33,385	32,493	31,382	38,752	60,635
25%	61,576	47,570	46,682	21,302	20,380	22,704	22,780	29,627	26,602	22,744	29,470	42,096
10%	38,597	36,795	28,948	12,832	12,764	17,873	17,649	24,816	20,859	20,553	21,124	30,744
5%	23,235	33,340	23,640	11,270	11,514	16,729	16,053	23,641	20,083	17,736	20,174	24,773
2%	21,660	28,093	20,522	10,895	9,611	13,377	15,624	16,111	13,694	14,653	12,486	20,008
0%	21,097	26,676	18,693	9,754	8,248	11,285	14,361	15,672	12,465	12,710	12,368	12,332

Monthly Flows (in CFS) for
06030004 - Lower Elk River Subbasin

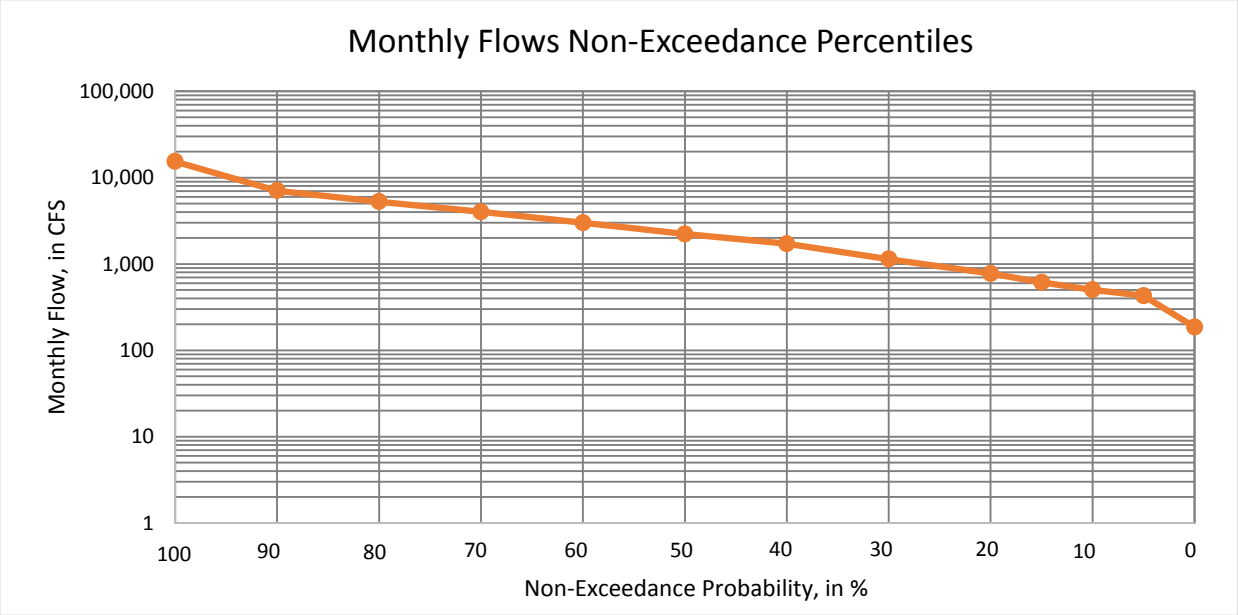
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	8,812	5,523	13,360	4,312	3,695	1,801	780	660	2,045	8,699	5,065	4,185	4,924
1976	6,035	4,481	3,684	2,137	1,959	1,777	1,583	608	851	2,934	2,427	2,822	2,602
1977	4,069	3,067	9,048	8,912	1,573	853	526	446	1,437	3,625	8,888	6,604	4,085
1978	4,407	2,072	4,735	795	4,948	2,338	1,097	613	475	613	1,191	4,376	2,319
1979	10,350	4,823	5,755	7,047	2,549	2,753	1,215	1,309	4,389	2,777	7,138	4,028	4,500
1980	4,625	2,706	13,360	5,868	3,958	997	890	545	443	465	1,309	1,256	3,048
1981	799	2,018	1,635	1,773	579	974	502	480	479	551	769	2,685	1,097
1982	8,321	5,404	4,063	2,863	1,581	552	791	1,064	733	622	2,015	7,315	2,939
1983	4,270	4,993	3,605	10,220	9,806	3,116	1,366	792	432	545	3,238	9,227	4,296
1984	3,674	2,726	4,294	3,737	8,385	899	581	926	495	1,803	4,901	3,789	3,025
1985	2,647	6,377	1,464	1,158	1,106	773	528	1,364	723	884	2,048	2,411	1,759
1986	980	3,244	2,785	728	1,370	1,314	565	303	758	1,011	7,159	8,655	2,398
1987	3,718	5,420	4,916	1,937	624	375	457	241	848	209	619	2,278	1,783
1988	4,082	2,659	1,506	2,825	445	201	341	275	353	304	2,924	3,628	1,621
1989	9,756	8,656	7,820	5,465	1,265	8,011	6,260	1,205	2,094	6,442	2,861	2,524	5,175
1990	7,163	12,640	6,586	1,730	2,534	1,012	745	291	604	817	1,187	15,320	4,184
1991	6,750	13,360	9,476	6,781	5,100	2,129	636	443	339	434	957	14,260	5,015
1992	5,249	2,818	4,526	1,795	559	1,179	1,293	1,166	3,037	1,199	4,963	5,396	2,765
1993	5,412	2,442	5,598	3,625	3,451	1,599	884	564	407	475	1,707	3,884	2,512
1994	6,501	13,680	11,110	8,493	1,382	999	1,256	1,008	659	2,554	6,503	4,966	4,862
1995	1,988	1,713	3,378	452	472	599	882	1,726	733	5,440	9,809	6,632	2,827
1996	7,814	4,619	4,006	3,264	1,819	1,442	724	2,441	1,722	5,021	7,147	7,034	3,921
1997	5,424	2,973	6,952	1,825	1,744	8,158	2,116	1,112	1,985	9,255	8,162	2,509	4,355
1998	5,396	2,304	4,981	6,342	2,517	4,870	1,020	2,088	1,956	2,405	3,256	5,015	3,516
1999	7,174	6,149	6,056	570	1,464	1,728	3,381	1,976	599	1,334	3,514	3,027	3,072
2000	1,564	430	1,939	6,921	910	1,997	1,021	2,225	1,111	2,527	3,988	5,723	2,536
2001	2,637	5,017	5,937	625	1,128	1,560	2,253	3,928	2,148	3,503	4,020	8,227	3,417
2002	8,202	4,715	3,069	4,532	3,905	1,238	1,559	1,182	1,441	3,203	4,025	7,232	3,693
2003	2,900	7,692	6,841	571	11,721	1,996	5,302	1,964	1,076	1,215	2,321	3,590	3,928
2004	2,788	9,561	6,184	1,885	904	4,553	4,302	1,782	2,733	3,312	5,480	14,010	4,764
2005	5,294	4,576	2,221	4,487	1,049	1,124	1,030	715	1,194	1,094	2,012	2,712	2,275
2006	6,294	3,539	2,184	2,587	2,088	1,142	500	370	353	803	2,363	1,609	1,977
2007	4,355	1,293	1,797	914	492	286	329	282	186	188	301	532	915
2008	629	2,787	3,438	4,511	1,281	918	531	613	332	628	862	6,586	1,922
2009	4,645	1,204	3,928	4,742	6,617	590	643	511	2,953	4,464	3,454	6,571	3,382
2010	5,879	6,920	3,251	1,417	3,460	948	441	352	287	461	1,750	3,149	2,336
2011	3,027	1,982	6,252	9,488	3,464	1,414	1,397	477	1,243	703	3,156	8,053	3,395
2012	7,125	3,951	2,739	840	469	295	515	435	945	2,004	2,026	5,307	2,220
2013	8,399	4,895	3,756	5,288	6,391	2,561	4,688	1,893	491	880	2,070	4,587	3,830
2014	3,255	4,800	2,117	2,687	2,346	4,002	689	837	584	2,480	3,744	5,296	2,719

Non-Exceedance Percentiles

06030004 - Lower Elk River Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	629	430	1,464	452	445	201	329	241	186	188	301	532	915
5th %	971	1,289	1,629	571	472	294	436	282	329	299	762	1,591	1,594
10th %	1,946	1,955	1,925	718	552	534	495	301	351	458	947	2,398	1,781
15th %	2,645	2,064	2,174	833	617	598	513	368	399	473	1,190	2,522	1,969
20th %	2,877	2,414	2,635	1,109	909	837	527	441	441	550	1,627	2,707	2,264
30th %	3,705	2,769	3,340	1,788	1,224	966	620	502	494	681	2,023	3,458	2,478
40th %	4,321	3,173	3,727	2,057	1,431	1,079	736	611	637	883	2,346	3,970	2,747
Median	4,947	4,529	4,179	2,844	1,782	1,276	883	754	745	1,207	3,040	4,776	3,036
60th %	5,417	4,809	4,942	3,967	2,414	1,576	1,025	1,030	998	2,164	3,478	5,343	3,404
70th %	6,356	5,133	5,973	4,595	3,454	1,859	1,267	1,189	1,301	2,621	4,022	6,591	3,857
80th %	7,165	6,195	6,637	5,963	3,916	2,383	1,564	1,737	1,962	3,350	5,148	7,249	4,206
90th %	8,329	8,747	9,091	7,192	6,414	4,057	3,473	1,987	2,206	5,063	7,149	8,712	4,774
Maximum	10,350	13,680	13,360	10,220	11,721	8,158	6,260	3,928	4,389	9,255	9,809	15,320	5,175
Average	5,060	4,756	5,009	3,654	2,778	1,877	1,390	1,030	1,142	2,197	3,533	5,425	3,148

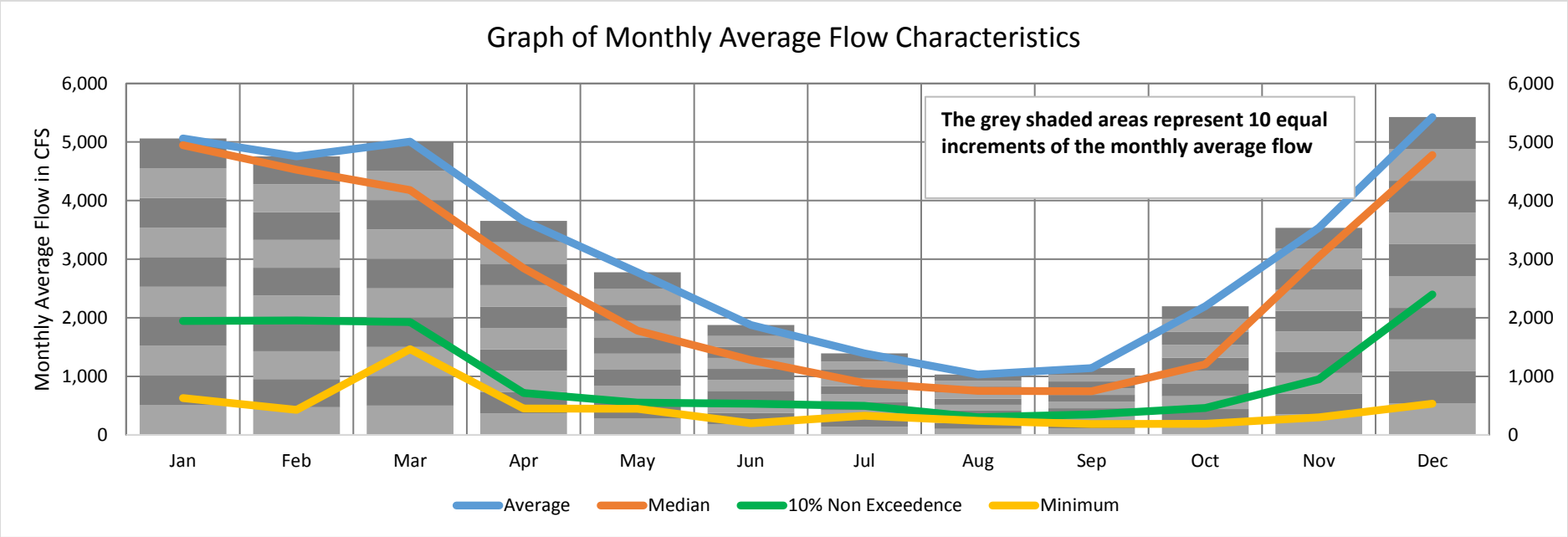
	Flows in CFS
Minimum	186.1
5th %	429
10th %	502
15th %	612
20th %	773
30th %	1,138
40th %	1,711
Median	2,223
60th %	2,995
70th %	4,011
80th %	5,257
90th %	7,055
Maximum	15,320
Average	3,154



Q10/Q50	0.23
Q10/Q90	0.07
	CFSM*
Qmin/DA	0.10
Q5/DA	0.24
Q10/DA	0.28
Q15/DA	0.34
Q20/DA	0.43
Q30/DA	0.63
Q40/DA	0.95
Q50/DA	1.23
Q60/DA	1.66
Q70/DA	2.22
Q80/DA	2.91
Q90/DA	3.91
Qmax/DA	8.49

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

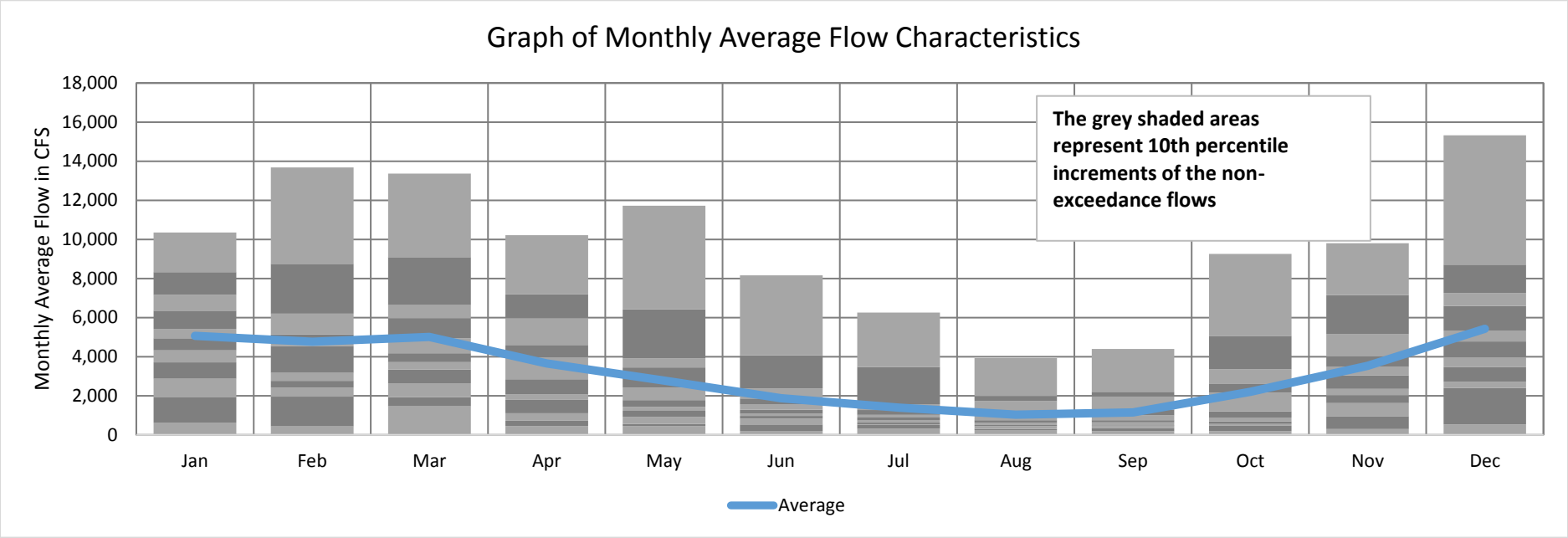
Site #: 06030004 Name: Lower Elk River Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	5,060	4,756	5,009	3,654	2,778	1,877	1,390	1,030	1,142	2,197	3,533	5,425
100%	10,350	13,680	13,360	10,220	11,721	8,158	6,260	3,928	4,389	9,255	9,809	15,320
98%	9,887	13,430	13,360	9,649	10,227	8,043	5,512	2,768	3,334	8,821	9,091	14,493
95%	8,859	12,676	11,223	8,941	8,456	5,027	4,719	2,236	2,957	6,555	8,198	14,023
90%	8,329	8,747	9,091	7,192	6,414	4,057	3,473	1,987	2,206	5,063	7,149	8,712
75%	6,844	5,446	6,201	5,332	3,522	2,030	1,374	1,323	1,511	3,001	4,917	6,733
50%	4,947	4,529	4,179	2,844	1,782	1,276	883	754	745	1,207	3,040	4,776
25%	3,198	2,694	2,998	1,652	1,092	913	556	469	478	620	1,947	2,976
10%	1,946	1,955	1,925	718	552	534	495	301	351	458	947	2,398
5%	971	1,289	1,629	571	472	294	436	282	329	299	762	1,591
2%	762	1,034	1,497	544	464	268	338	268	265	205	549	1,097
0%	629	430	1,464	452	445	201	329	241	186	188	301	532

Site #: 06030004 Name: Lower Elk River Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 1,805 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	5,060	4,756	5,009	3,654	2,778	1,877	1,390	1,030	1,142	2,197	3,533	5,425
100%	10,350	13,680	13,360	10,220	11,721	8,158	6,260	3,928	4,389	9,255	9,809	15,320
98%	9,887	13,430	13,360	9,649	10,227	8,043	5,512	2,768	3,334	8,821	9,091	14,493
95%	8,859	12,676	11,223	8,941	8,456	5,027	4,719	2,236	2,957	6,555	8,198	14,023
90%	8,329	8,747	9,091	7,192	6,414	4,057	3,473	1,987	2,206	5,063	7,149	8,712
75%	6,844	5,446	6,201	5,332	3,522	2,030	1,374	1,323	1,511	3,001	4,917	6,733
50%	4,947	4,529	4,179	2,844	1,782	1,276	883	754	745	1,207	3,040	4,776
25%	3,198	2,694	2,998	1,652	1,092	913	556	469	478	620	1,947	2,976
10%	1,946	1,955	1,925	718	552	534	495	301	351	458	947	2,398
5%	971	1,289	1,629	571	472	294	436	282	329	299	762	1,591
2%	762	1,034	1,497	544	464	268	338	268	265	205	549	1,097
0%	629	430	1,464	452	445	201	329	241	186	188	301	532

Monthly Flows (in CFS) for
06030005 - Pickwick Lake Subbasin in Alabama

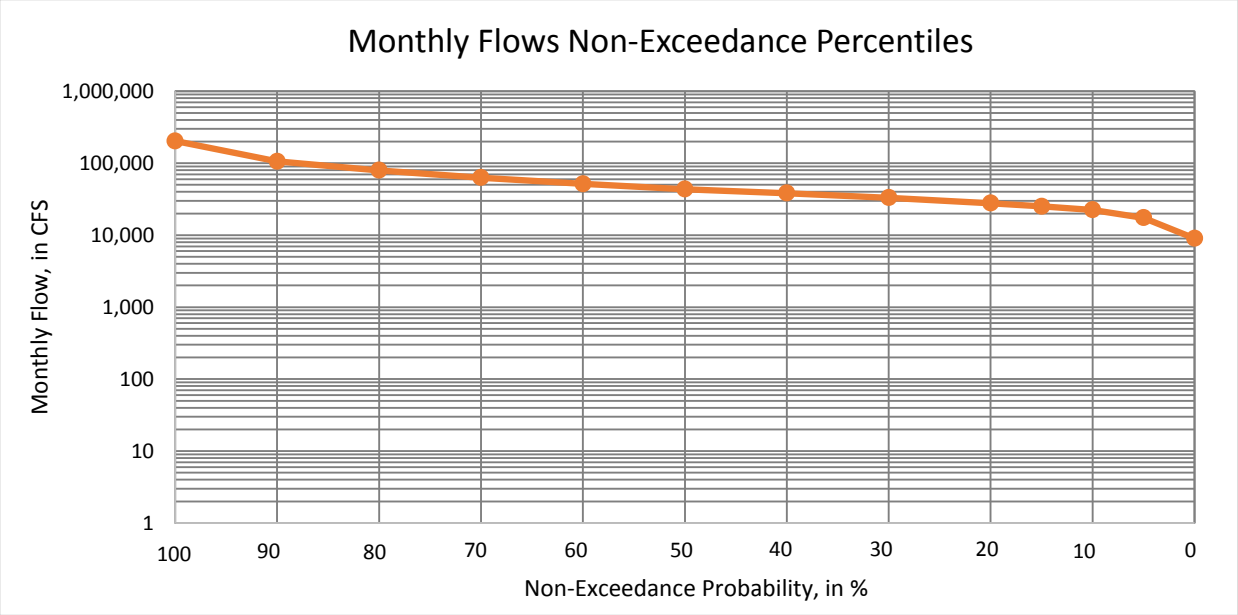
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	117,074	124,988	159,623	96,546	54,352	48,427	49,637	41,888	44,929	74,658	60,199	62,031	77,643
1976	89,278	65,995	57,863	29,258	36,971	45,820	52,064	41,969	34,939	40,598	41,982	62,859	49,966
1977	71,144	40,622	93,916	113,026	40,909	37,676	34,736	31,894	47,233	62,815	117,192	117,065	67,447
1978	103,469	69,584	70,539	25,736	53,734	39,429	34,507	44,499	33,978	22,584	22,658	49,377	47,513
1979	121,383	74,437	128,189	76,733	51,886	58,210	60,580	52,908	60,103	60,907	100,988	69,314	76,344
1980	83,524	56,956	153,213	81,947	60,130	38,749	38,372	32,874	30,229	25,076	33,509	27,325	55,243
1981	22,973	49,087	26,132	30,859	15,834	39,344	32,017	31,846	28,737	24,971	23,723	47,352	30,929
1982	125,760	116,449	79,337	36,266	24,839	28,539	37,567	49,195	39,477	35,809	45,289	119,560	61,320
1983	71,292	82,315	48,663	94,103	97,224	57,235	45,042	42,570	29,023	22,912	43,835	106,184	61,592
1984	69,456	58,032	68,965	55,759	144,811	38,025	45,500	50,016	40,010	33,201	43,383	52,034	58,421
1985	42,978	86,581	32,068	16,853	25,194	20,532	25,883	41,093	26,576	31,895	32,667	43,614	35,199
1986	25,265	50,175	36,626	10,697	11,160	15,953	19,929	16,993	22,736	27,639	63,605	88,750	32,361
1987	69,705	75,276	86,158	33,706	30,810	28,597	29,636	32,225	22,584	25,065	23,397	24,912	40,028
1988	57,158	39,563	20,446	19,218	9,015	12,251	15,585	17,585	22,249	19,678	41,861	39,908	26,125
1989	108,464	88,218	102,827	50,307	48,981	113,336	91,002	46,406	58,049	101,348	87,138	73,986	80,818
1990	121,771	203,689	125,974	28,846	53,278	38,082	33,971	41,825	30,201	32,175	38,446	129,561	72,509
1991	97,673	127,962	112,134	83,856	73,700	42,162	36,849	41,525	37,599	28,512	37,886	147,646	72,075
1992	84,866	44,270	68,581	19,999	22,158	46,028	42,146	37,041	43,471	42,137	76,169	102,336	52,566
1993	112,930	56,677	100,821	59,988	40,239	29,475	25,321	34,076	32,053	22,429	31,668	62,105	50,734
1994	96,060	169,439	137,188	162,179	34,487	40,836	51,991	51,153	49,573	53,900	50,849	69,320	79,903
1995	79,104	91,767	86,261	18,637	23,151	23,103	27,561	39,229	40,569	67,207	83,036	67,424	53,748
1996	118,060	115,902	92,684	51,506	38,889	47,257	29,919	45,065	46,166	51,163	64,684	113,144	67,645
1997	111,249	89,200	138,053	33,536	62,618	104,357	48,720	36,865	37,645	48,671	50,658	39,639	66,695
1998	104,270	118,694	89,216	106,269	69,943	62,484	32,672	39,702	30,642	26,605	27,882	47,758	62,622
1999	108,492	68,270	72,403	14,695	42,997	25,434	55,866	32,683	25,358	24,332	31,014	29,587	44,284
2000	34,155	31,033	43,209	78,575	17,411	19,485	22,199	35,634	22,582	33,903	36,490	35,200	34,126
2001	47,983	80,128	63,644	25,869	18,938	33,482	26,035	52,380	38,414	36,349	35,396	71,357	43,988
2002	94,434	54,633	64,625	42,478	47,325	19,623	23,390	26,080	31,608	34,515	73,856	107,830	51,783
2003	55,306	144,033	85,932	47,959	155,290	58,887	66,010	55,886	49,914	43,341	57,029	78,912	74,541
2004	70,963	111,008	69,911	13,330	14,063	43,737	41,506	34,748	82,527	56,593	91,869	183,668	67,581
2005	75,231	72,942	55,942	56,337	26,980	34,716	45,793	34,398	38,444	31,127	31,954	41,675	45,292
2006	69,130	52,914	26,967	33,679	27,837	19,291	19,276	26,887	30,226	35,564	66,240	34,878	36,771
2007	67,446	29,105	22,878	12,363	12,617	20,771	17,903	26,522	13,525	13,785	13,904	13,755	22,066
2008	23,793	51,015	51,494	30,330	18,051	18,618	17,433	29,520	15,247	16,498	14,187	81,755	30,616
2009	94,300	36,566	52,591	45,511	91,006	36,843	23,883	34,592	51,937	76,662	91,515	140,588	64,987
2010	102,195	130,632	49,893	23,374	41,708	25,468	17,424	29,172	25,276	24,771	36,477	65,802	47,221
2011	58,105	42,343	131,240	115,393	40,598	29,373	29,608	27,980	46,033	30,290	56,004	128,386	61,430
2012	116,141	80,483	67,580	12,268	12,821	20,575	22,253	34,174	35,906	40,576	40,950	53,212	44,641
2013	145,014	131,847	79,020	66,520	113,646	63,409	104,859	45,642	42,686	39,994	42,970	94,491	80,718
2014	90,463	88,199	46,527	36,940	24,443	31,877	25,212	32,245	32,257	54,958	56,615	62,389	48,284

Non-Exceedance Percentiles

06030005 - Pickwick Lake Subbasin in Alabama

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	22,973	29,105	20,446	10,697	9,015	12,251	15,585	16,993	13,525	13,785	13,904	13,755	22,066
5th %	25,191	36,289	25,970	12,359	12,544	18,485	17,433	25,655	21,899	19,519	22,235	27,205	30,391
10th %	42,096	40,516	31,558	14,559	13,939	19,466	19,139	26,850	22,583	22,568	23,690	34,349	32,218
15th %	54,207	43,981	42,221	18,369	17,175	20,395	21,859	28,993	24,895	24,119	30,545	38,973	35,038
20th %	57,916	49,957	48,236	19,843	18,761	20,732	23,162	31,381	26,332	24,931	31,897	41,321	39,376
30th %	69,630	56,064	54,937	27,953	24,720	27,617	25,715	32,552	30,218	27,329	36,153	48,892	45,096
40th %	73,656	67,360	66,398	32,465	29,621	30,916	29,625	34,308	31,875	31,588	39,948	62,075	49,293
Median	87,072	74,857	70,225	36,603	39,564	37,260	33,322	36,249	35,423	34,209	43,176	66,613	53,157
60th %	95,085	84,022	81,975	48,898	42,223	38,987	37,136	40,258	38,426	37,807	50,734	72,409	61,364
70th %	103,709	89,970	90,256	57,433	52,304	42,635	43,015	41,912	41,204	42,498	57,980	90,472	65,499
80th %	111,585	116,898	104,688	79,250	60,628	47,491	48,903	45,181	46,059	54,112	67,763	108,893	68,531
90th %	118,392	130,753	131,835	97,518	91,627	59,246	56,338	50,130	50,116	63,254	87,576	128,503	76,474
Maximum	145,014	203,689	159,623	162,179	155,290	113,336	104,859	55,886	82,527	101,348	117,192	183,668	80,818
Average	83,951	82,526	77,483	49,786	45,751	38,937	37,496	37,475	36,768	39,380	50,479	74,667	54,444

	Flows in CFS
Minimum	9,015.3
5th %	17,424
10th %	22,412
15th %	25,074
20th %	27,798
30th %	33,103
40th %	38,397
Median	43,543
60th %	51,658
70th %	62,828
80th %	79,495
90th %	106,192
Maximum	203,689
Average	54,558

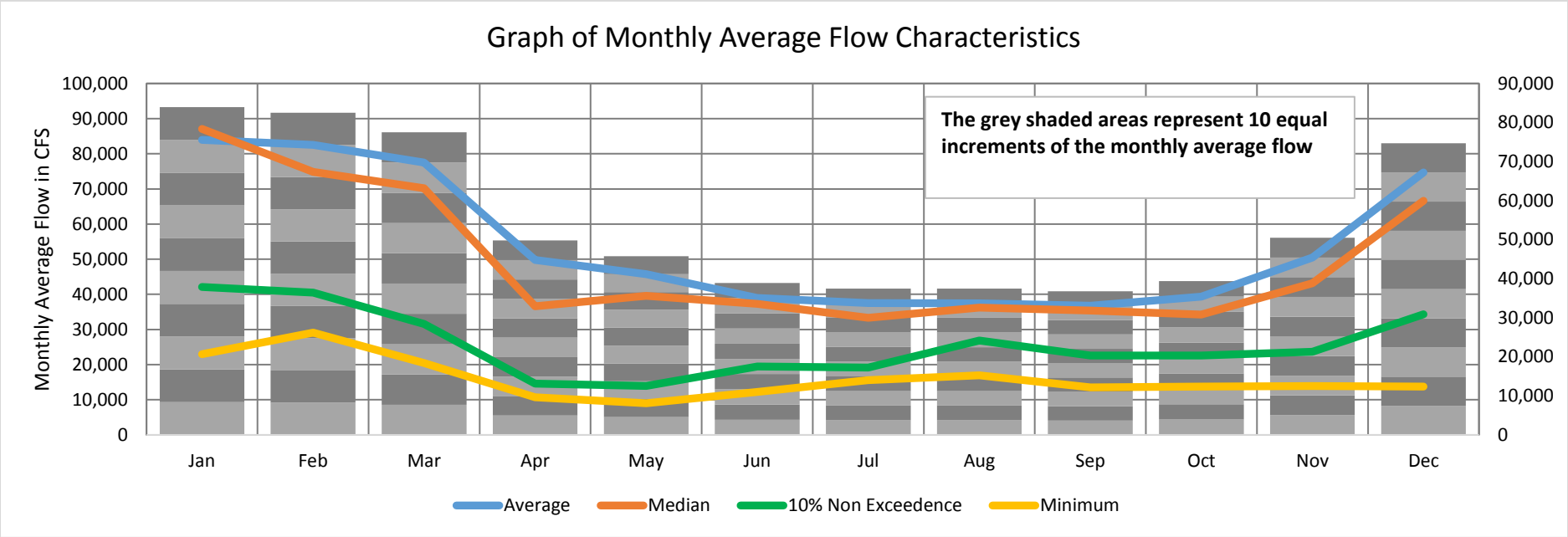


Q10/Q50	0.51
Q10/Q90	0.21
	CFSM*
Qmin/DA	0.27
Q5/DA	0.53
Q10/DA	0.68
Q15/DA	0.76
Q20/DA	0.85
Q30/DA	1.01
Q40/DA	1.17
Q50/DA	1.33
Q60/DA	1.58
Q70/DA	1.92
Q80/DA	2.42
Q90/DA	3.24
Qmax/DA	6.21

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

Site #: 06030005 Name: Pickwick Lake Subbasin in Alabama

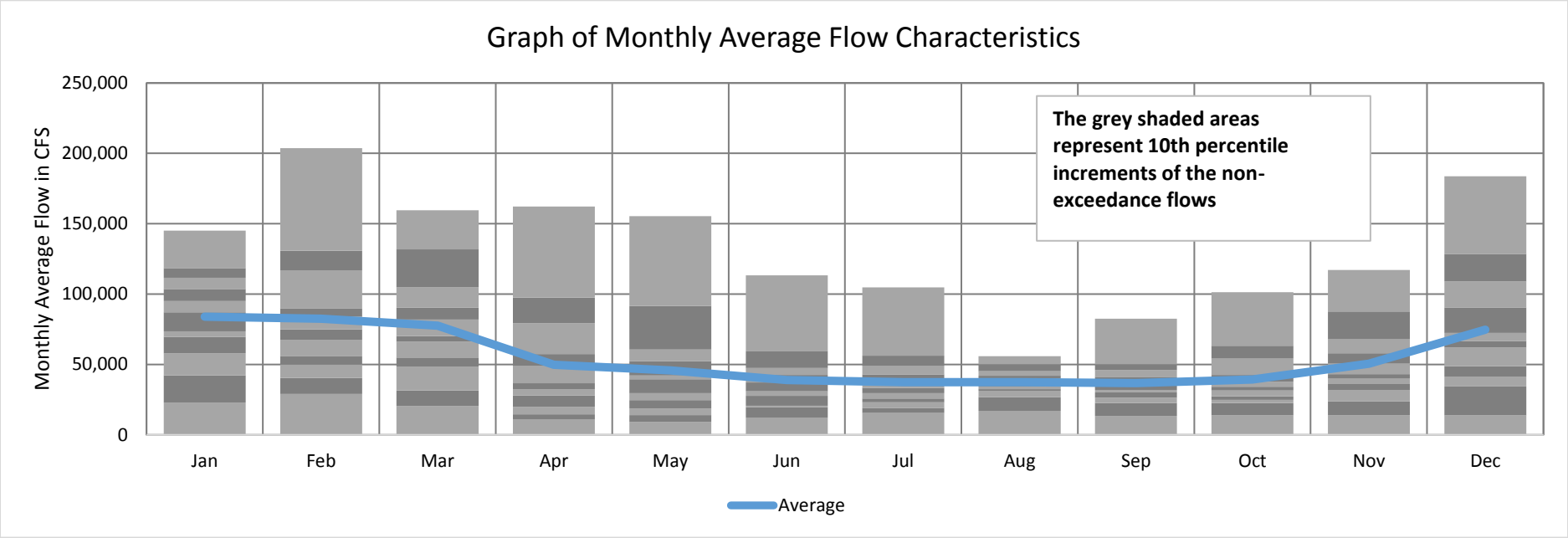
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	83,951	82,526	77,483	49,786	45,751	38,937	37,496	37,475	36,768	39,380	50,479	74,667
100%	145,014	203,689	159,623	162,179	155,290	113,336	104,859	55,886	82,527	101,348	117,192	183,668
98%	129,996	176,974	154,623	125,686	147,116	106,332	94,051	53,563	65,036	82,093	104,553	155,571
95%	121,970	145,304	138,811	113,145	115,204	65,456	67,260	52,407	58,152	74,758	92,324	140,941
90%	118,392	130,753	131,835	97,518	91,627	59,246	56,338	50,130	50,116	63,254	87,576	128,503
75%	108,471	112,232	95,643	69,074	53,888	45,872	45,573	43,052	43,835	49,294	63,875	103,298
50%	87,072	74,857	70,225	36,603	39,564	37,260	33,322	36,249	35,423	34,209	43,176	66,613
25%	68,709	52,439	51,093	25,146	22,903	24,852	24,880	32,142	28,951	25,073	33,298	46,418
10%	42,096	40,516	31,558	14,559	13,939	19,466	19,139	26,850	22,583	22,568	23,690	34,349
5%	25,191	36,289	25,970	12,359	12,544	18,485	17,433	25,655	21,899	19,519	22,235	27,205
2%	23,613	30,609	22,343	11,923	10,688	15,139	17,020	17,454	14,868	15,901	14,125	22,458
0%	22,973	29,105	20,446	10,697	9,015	12,251	15,585	16,993	13,525	13,785	13,904	13,755

Site #: 06030005 Name: Pickwick Lake Subbasin in Alabama
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 32,790 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	83,951	82,526	77,483	49,786	45,751	38,937	37,496	37,475	36,768	39,380	50,479	74,667
100%	145,014	203,689	159,623	162,179	155,290	113,336	104,859	55,886	82,527	101,348	117,192	183,668
98%	129,996	176,974	154,623	125,686	147,116	106,332	94,051	53,563	65,036	82,093	104,553	155,571
95%	121,970	145,304	138,811	113,145	115,204	65,456	67,260	52,407	58,152	74,758	92,324	140,941
90%	118,392	130,753	131,835	97,518	91,627	59,246	56,338	50,130	50,116	63,254	87,576	128,503
75%	108,471	112,232	95,643	69,074	53,888	45,872	45,573	43,052	43,835	49,294	63,875	103,298
50%	87,072	74,857	70,225	36,603	39,564	37,260	33,322	36,249	35,423	34,209	43,176	66,613
25%	68,709	52,439	51,093	25,146	22,903	24,852	24,880	32,142	28,951	25,073	33,298	46,418
10%	42,096	40,516	31,558	14,559	13,939	19,466	19,139	26,850	22,583	22,568	23,690	34,349
5%	25,191	36,289	25,970	12,359	12,544	18,485	17,433	25,655	21,899	19,519	22,235	27,205
2%	23,613	30,609	22,343	11,923	10,688	15,139	17,020	17,454	14,868	15,901	14,125	22,458
0%	22,973	29,105	20,446	10,697	9,015	12,251	15,585	16,993	13,525	13,785	13,904	13,755

Monthly Flows (in CFS) for
06030006 - Bear Creek Subbasin

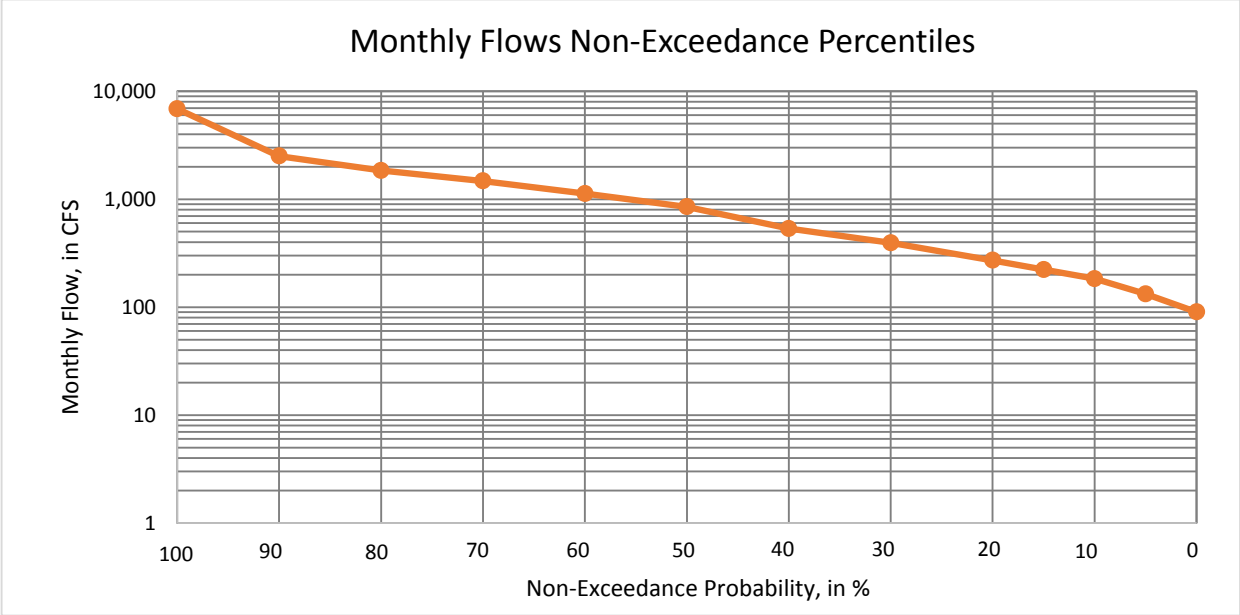
	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1975	4,078	2,350	5,903	2,258	1,690	1,019	539	716	1,078	2,674	1,425	1,210	2,083
1976	1,918	1,815	2,325	1,088	710	677	476	300	495	343	787	861	978
1977	1,421	945	4,608	2,315	293	243	149	107	356	769	2,464	1,593	1,274
1978	1,497	632	1,501	538	3,069	1,378	198	115	90	181	503	613	864
1979	3,372	1,151	1,838	1,934	850	362	642	334	1,239	910	3,660	1,759	1,504
1980	1,159	826	4,959	3,336	2,377	805	406	170	189	1,277	1,717	505	1,482
1981	257	693	531	675	184	263	490	337	251	1,120	939	584	525
1982	2,587	1,686	702	1,886	686	311	257	472	192	1,365	1,111	3,097	1,195
1983	1,805	1,862	2,260	4,843	3,851	1,479	400	227	328	1,128	1,405	4,271	1,989
1984	1,675	651	1,256	1,687	5,047	481	247	231	104	1,353	1,742	1,211	1,316
1985	525	2,247	382	436	2,445	275	251	380	299	1,297	1,119	749	859
1986	167	495	572	195	397	915	187	119	120	1,089	2,502	3,560	862
1987	1,220	863	2,756	309	205	196	149	107	123	813	1,004	1,039	734
1988	692	481	319	561	135	100	122	105	283	438	1,770	1,973	581
1989	3,846	2,255	3,083	1,040	662	2,168	2,048	334	664	2,221	2,045	1,300	1,805
1990	3,043	3,774	2,152	810	1,339	497	197	133	123	265	883	4,498	1,467
1991	3,931	3,159	3,607	4,702	6,872	2,157	559	217	222	202	1,460	4,780	2,657
1992	946	516	1,128	413	216	463	303	393	512	332	2,116	1,889	770
1993	1,788	881	1,248	1,512	1,070	285	257	243	368	261	1,673	1,464	921
1994	1,604	4,010	2,451	1,898	634	675	991	466	349	228	1,742	1,759	1,382
1995	1,611	2,074	2,547	1,488	1,208	429	270	361	136	176	1,754	1,750	1,145
1996	2,461	1,305	1,814	1,628	480	296	233	200	367	318	2,241	3,905	1,272
1997	2,495	1,798	2,260	544	1,684	4,618	1,240	453	310	559	1,641	1,475	1,586
1998	3,536	2,283	1,712	807	891	393	421	530	186	125	1,177	1,612	1,136
1999	3,594	1,440	1,828	795	1,122	388	477	193	126	120	670	949	976
2000	654	355	565	2,970	352	225	179	153	139	144	1,170	1,602	707
2001	1,995	2,253	1,413	3,041	552	2,085	340	418	742	574	1,344	3,270	1,493
2002	1,945	1,540	1,290	1,456	2,667	295	216	206	402	694	2,853	2,846	1,367
2003	855	2,670	1,717	875	3,906	945	466	445	1,298	930	982	1,141	1,345
2004	1,118	3,627	2,414	272	192	373	372	443	929	1,747	2,341	6,111	1,653
2005	1,475	1,363	801	1,268	286	438	505	345	761	224	1,867	2,015	941
2006	2,618	1,339	450	460	849	191	129	134	113	225	2,302	892	805
2007	1,782	383	227	225	134	97	192	99	104	100	425	477	355
2008	301	862	898	944	1,164	449	144	137	129	131	871	3,310	780
2009	1,451	394	1,740	1,253	1,637	484	145	137	1,487	2,172	2,181	2,362	1,294
2010	2,106	1,591	629	403	1,025	431	218	326	149	204	1,166	904	758
2011	1,388	498	1,678	3,793	1,702	436	313	247	640	254	1,268	2,026	1,189
2012	2,225	1,081	685	191	223	150	132	164	378	624	953	1,439	687
2013	3,074	1,002	1,304	1,229	1,499	391	965	282	285	132	1,160	1,729	1,092
2014	947	1,108	452	993	767	877	420	307	176	873	1,511	1,953	863

Non-Exceedance Percentiles

06030006 - Bear Creek Subbasin

Flows in CFS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Minimum	167	355	227	191	134	97	122	99	90	100	425	477	355
5th %	299	393	378	224	181	148	132	107	104	125	661	580	579
10th %	641	494	452	305	204	195	145	114	120	132	862	735	705
15th %	831	513	560	411	222	240	149	131	123	171	931	887	755
20th %	947	647	618	455	291	273	185	136	129	198	976	940	778
30th %	1,338	862	869	641	530	306	210	168	168	227	1,148	1,211	863
40th %	1,488	1,049	1,277	849	700	390	249	212	210	297	1,232	1,470	962
Median	1,729	1,322	1,589	1,064	871	433	286	245	292	499	1,443	1,671	1,140
60th %	1,929	1,560	1,770	1,343	1,139	470	383	315	352	724	1,691	1,811	1,273
70th %	2,295	1,829	2,185	1,646	1,540	675	434	339	385	916	1,759	2,018	1,352
80th %	2,703	2,253	2,422	1,999	1,837	921	493	398	644	1,158	2,129	3,132	1,484
90th %	3,542	2,719	3,135	3,070	3,147	1,540	674	454	944	1,403	2,353	3,942	1,668
Maximum	4,078	4,010	5,903	4,843	6,872	4,618	2,048	716	1,487	2,674	3,660	6,111	2,657
Average	1,879	1,506	1,750	1,427	1,377	718	406	277	406	715	1,549	2,012	1,167

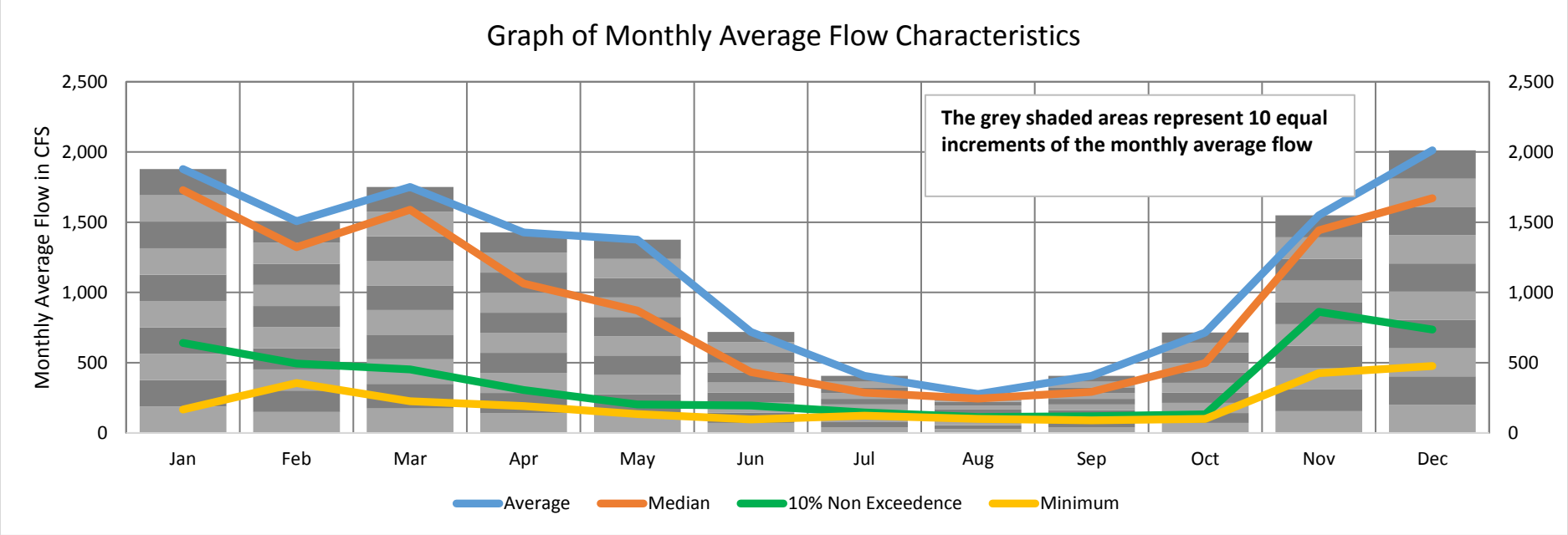
	Flows in CFS
Minimum	90.1
5th %	132
10th %	183
15th %	223
20th %	272
30th %	394
40th %	535
Median	849
60th %	1,124
70th %	1,475
80th %	1,843
90th %	2,506
Maximum	6,872
Average	1,169



Q10/Q50	0.22
Q10/Q90	0.07
	CFSM*
Qmin/DA	0.14
Q5/DA	0.20
Q10/DA	0.27
Q15/DA	0.33
Q20/DA	0.41
Q30/DA	0.59
Q40/DA	0.80
Q50/DA	1.27
Q60/DA	1.69
Q70/DA	2.21
Q80/DA	2.76
Q90/DA	3.76
Qmax/DA	10.30

*CFSM - CUBIC FEET PER SECOND PER SQUARE MILE; DA - DRAINAGE AREA IN SQUARE MILES

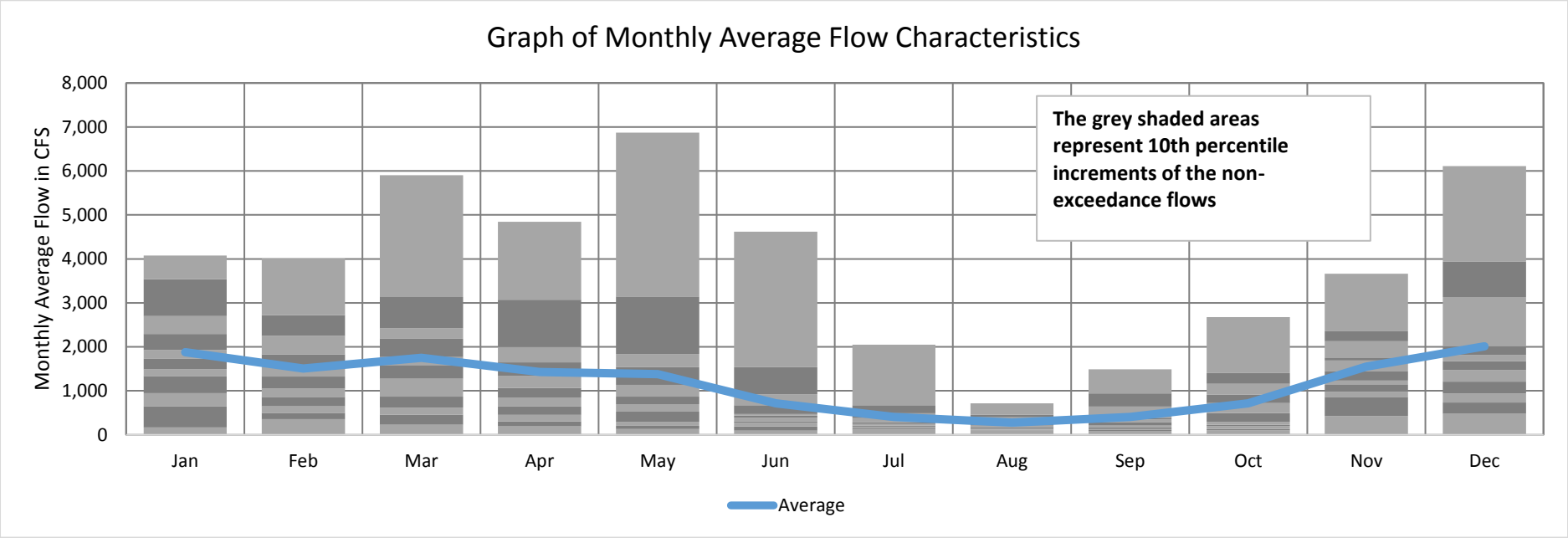
Site #: 06030006 Name: Bear Creek Subbasin
Period of Record: Jan-1975 - Dec-2014 STATISTICAL ANALYSIS OF MONTHLY AVERAGE FLOWS



MONTHLY FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	1,879	1,506	1,750	1,427	1,377	718	406	277	406	715	1,549	2,012
100%	4,078	4,010	5,903	4,843	6,872	4,618	2,048	716	1,487	2,674	3,660	6,111
98%	3,963	3,826	5,167	4,733	5,449	2,707	1,418	571	1,339	2,321	3,031	5,073
95%	3,850	3,635	4,626	3,839	3,963	2,158	1,003	475	1,242	2,175	2,519	4,512
90%	3,542	2,719	3,135	3,070	3,147	1,540	674	454	944	1,403	2,353	3,942
75%	2,518	2,117	2,276	1,889	1,685	823	476	365	499	1,097	1,911	2,483
50%	1,729	1,322	1,589	1,064	871	433	286	245	292	499	1,443	1,671
25%	1,148	793	698	542	386	293	196	149	139	219	1,084	1,116
10%	641	494	452	305	204	195	145	114	120	132	862	735
5%	299	393	378	224	181	148	132	107	104	125	661	580
2%	238	377	299	194	135	99	128	104	101	115	486	499
0%	167	355	227	191	134	97	122	99	90	100	425	477

Site #: 06030006 Name: Bear Creek Subbasin
Period of Record: Jan-1975 - Dec-2014
Drainage Area: 667 square miles



MONTHLY AVERAGE AND NON-EXCEEDANCE FLOW STATISTICS, in CFS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average	1,879	1,506	1,750	1,427	1,377	718	406	277	406	715	1,549	2,012
100%	4,078	4,010	5,903	4,843	6,872	4,618	2,048	716	1,487	2,674	3,660	6,111
98%	3,963	3,826	5,167	4,733	5,449	2,707	1,418	571	1,339	2,321	3,031	5,073
95%	3,850	3,635	4,626	3,839	3,963	2,158	1,003	475	1,242	2,175	2,519	4,512
90%	3,542	2,719	3,135	3,070	3,147	1,540	674	454	944	1,403	2,353	3,942
75%	2,518	2,117	2,276	1,889	1,685	823	476	365	499	1,097	1,911	2,483
50%	1,729	1,322	1,589	1,064	871	433	286	245	292	499	1,443	1,671
25%	1,148	793	698	542	386	293	196	149	139	219	1,084	1,116
10%	641	494	452	305	204	195	145	114	120	132	862	735
5%	299	393	378	224	181	148	132	107	104	125	661	580
2%	238	377	299	194	135	99	128	104	101	115	486	499
0%	167	355	227	191	134	97	122	99	90	100	425	477