Appendix D

Prior Reports and References

1 PRIOR REPORTS AND REFERENCES

The Corps has calculated and published critical yield for the ACT and ACF federal projects many times throughout project lifespans. Yield values have been updated as more observed hydrologic data has become available. This information can be used to determine the severity of droughts throughout the period of record.

Reports printed prior to 1980 may employ the term prime flow. Prime flow, when used in these reports, is synonymous with critical yield or firm yield.

Table D-1. Prior Reports

Project	Critical Yield (cfs)	Critical Period	Source	Conservation Storage Pool (Elevation-Feet)	Conservation Storage (ac-ft)	Winter/ Summer Pool
Buford	1,600	Sep 1939-Nov 1942	1949, Buford Defined Report, Volume1	1065-1030	Unavailable	Unavailable
Buford	1,634	Unavailable	1947 House Document 300	1065-1025	1,033,000	Unavailable
Buford	1,600	Unavailable	1960, Cost Allocation Studies Report, (May 1959; revised 27 Oct 1960)	1070-1035	1,049,000	Unavailable
Buford	1,714	1939-42	1989 Lake Lanier Reregulation Dam Design Memorandum, Supplement No. 1	1070-1035	1,049,000	Unavailable
Buford	1,734 1,455*	1939-42 1980's	1989, Post Authorization Change Notification Report For The Reallocation of Storage from Hydropower to Water Supply at Lake Lanier, GA	1070-1035	1,049,000	Unavailable
Buford	1,600 1,485	1939-1942 1986-1988	1999, Letter form Mobile District to Federal Commissioner, ACT/ACF River Basins Commission	1070-1035	1,049,000	Unavailable
Buford	1,487	1985-1989	2003, Southeast Federal Power Customers Settlement Agreement	1070-1035	1,049,000	Unavailable

Table D-1 (Cont'd). Prior Reports

Project	Critical Yield (cfs)	Critical Period	Source	Conservation Storage Pool (Elevation-Feet)	Conservation Storage (ac-ft)	Winter/ Summer Pool
West Point	2,570**	1950	1962, West Point Project Authority, House Document 570, 87th Congress	635-620 (Winter) 625-620 (Summer)	284,000 (Winter) 78,000 (Summer)	635/625
W. F. George	6,750**	Unavailable	1960, Cost Allocation Studies Report (May 1959; Revised 27 Oct 1960)	190-184	Unavailable	185/190
Allatoona	1,220	1930-31	Definite Project Report for Allatoona Dam and Reservoir, 1941	848 - 788	456,000	Unavailable
Allatoona	1,160	1939-1942	1966, Cartersville, GA and 1963, Cobb County Marietta Storage Contracts	823-800 (Winter) 840-800 (Summer)	284,580 (Winter) 119,878 (Summer)	840/823
Allatoona	1,186 1,156 1,103 748	1942 1956 1981 1986	1999, Water Supply Reallocation Report	823-800 (Winter) 840-800 (Summer)	284,580 (Winter) 119,878 (Summer)	840/823
Allatoona	1159	Unavailable	Storage Contract	Unavailable	Unavailable	Unavailable
Carters	424	Unavailable	Carters Lake Water Supply Reallocation Report, June 1989	1074 - 1022	Unavailable	1072/1074
Carters	550	1939-1942	Carters Dam Design Memorandum No. 4, Hydroelectric Power Capacity, 25 April 1962	1072 - 998	Unavailable	1070/1072
Carters	510	Unavailable	1991, City of Chatsworth, Georgia Storage Contract	1072 - 1022	134,900	Unavailable

*This represents a preliminary critical yield value that was calculated before the 1980's drought ended.
**Yield based on system analysis similar to Method C.