



Study Report

Project Operations and Drought Management Plan Study

Bartletts Ferry Hydroelectric Project FERC Project Number 485

Prepared with
Southern Company Generation Hydro Services

March 2011

Contents

1.0	Introduction.....	1-1
2.0	Physical Characteristics of the Project.....	2-1
2.1	Information Request No. 1	2-1
2.2	Response to Information Request No. 1.....	2-1
3.0	Historic Flow and Water Surface Elevation	3-1
3.1	Information Request No. 2.....	3-1
3.2	Response to Information Request No. 2.....	3-1
4.0	Discussion of Project Operation.....	4-1
4.1	Information Request No. 3.....	4-1
4.2	Response to Information Request No. 3.....	4-1
5.0	References.....	5-1

Tables

2-1	Physical Characteristics of Operational Limits and Zones of Bartletts Ferry Reservoir	2-2
-----	---------------------------------------------------------------------------------------------	-----

Figures

1-1	Project Boundary and Surrounding Area	1-2
-----	---------------------------------------------	-----

Attachments

A	Area-Capacity and Elevation-Capacity Curves
B	Elevation-Volume-Area Table
C	Daily Flow and Reservoir Elevation Graphs for Drought Years 2000, 2007, and 2008
D	Daily Flow and Reservoir Elevation Tables for Drought Years 2000, 2007, and 2008
E	Daily Flow and Reservoir Elevation Tables for Other Years in Period 1997-2009

Appendices

A	Bartletts Ferry Operations Primer (Revision 2)
---	------------------------------------------------

1.0 Introduction

This report presents the findings of the Project Operations and Drought Management Plan Study conducted for Federal Energy Regulatory Commission (FERC) relicensing of Georgia Power Company's (Georgia Power's) Bartletts Ferry Hydroelectric Project (FERC No. 485) (Bartletts Ferry Project, the Project). The study was conducted according to the Study Plan Determination (SPD) issued by FERC's Director of the Office of Energy Projects on March 17, 2010. The objective of the study is to provide information on the existing project configuration, historic project flows, and project operation at the Bartletts Ferry Project. This information will be used by FERC to support its analysis of the potential need for a drought management plan at the Project.

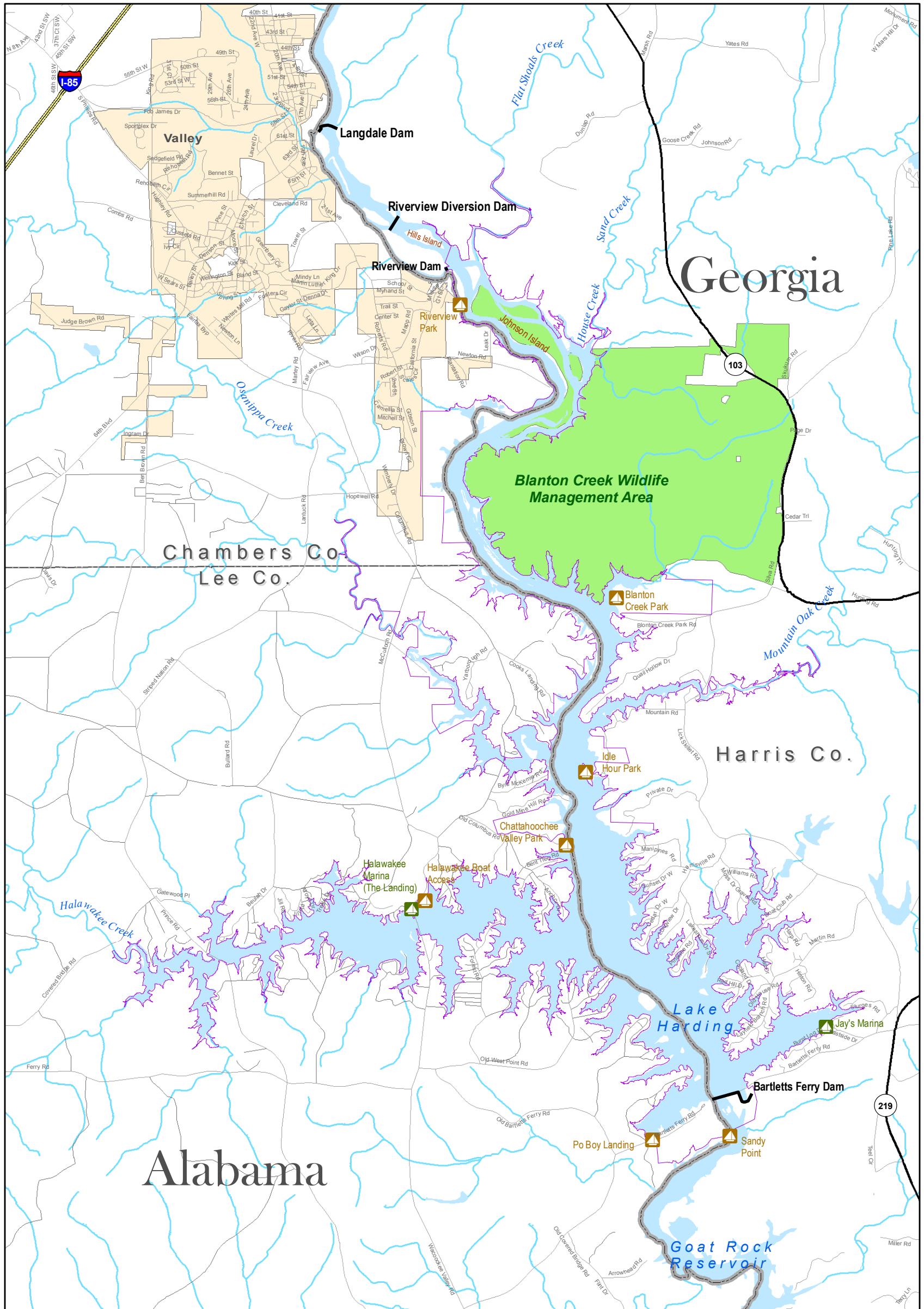
The Bartletts Ferry Project consists of a dam, two powerhouses, and a reservoir (also known as Lake Harding) located on the Chattahoochee River along the Georgia-Alabama border in Harris County, Georgia, and Lee and Chambers Counties, Alabama (Figure 1-1). Georgia Power operates the Project in a modified run-of-river mode. The Bartletts Ferry Project has an installed capacity of 173 megawatts. Georgia Power is not proposing to add capacity or make any major modifications to the Project under the new license. The Project does not occupy any federally owned lands. The current license expires December 14, 2014.

Georgia Power proposes to continue operating the Bartletts Ferry Project as it is currently operated. The Pre-Application Document (PAD) describes the project facilities and current operations (Georgia Power, 2009). The Bartletts Ferry Operations Primer, found in Appendix D of the PAD and included in this report as Revision 2 (Appendix A), provides 23 figures illustrating project operations. This study report provides additional information to support FERC's analysis of the continued operation of the Project.

This report is organized into sections by the three categories of information requested by FERC in the SPD:

- Physical characteristics of the project (Section 2)
- Historic flow and water surface elevation (Section 3)
- Detailed discussion of project operation (Section 4)

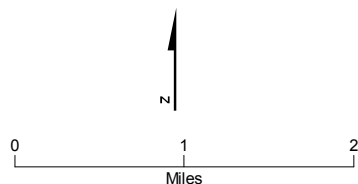
Within each section, the specific information request is first provided in italics, followed by the information developed by Georgia Power to address the request.



- Notes:
1. Georgia/Alabama State Boundary source USGS
 2. FERC Project Boundary source Georgia Power
 3. Basemap data source ESRI 2006
 4. Blanton Creek WMA source Georgia DNR

LEGEND

- | | | |
|-----------------------------|------------------------|----------------------|
| — FERC Project Boundary | — GA/AL State Boundary | ■ Incorporated Areas |
| — Dam | □ County Boundary | ■ Blanton Creek WMA |
| — River or Stream Channel | — Interstate Highway | |
| — Lake | — US Highway | |
| ▲ Private Recreation Access | — State Highway | |
| ▲ Public Recreation Access | — County Road | |
| | — Local Road | |



VICINITY MAP

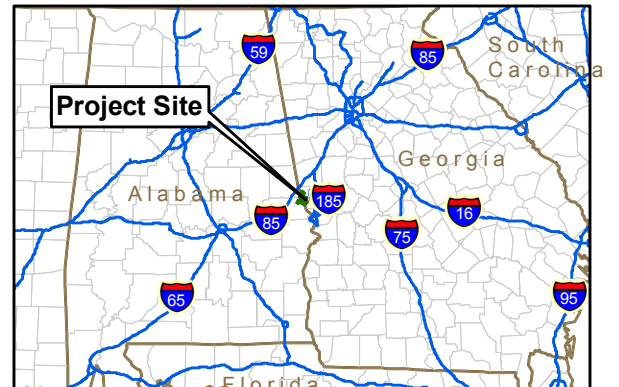


Figure 1-1
Project Boundary and Surrounding Area
 Bartletts Ferry Project (FERC No. 485)

2.0 Physical Characteristics of the Project

2.1 Information Request No. 1

1. *A detailed presentation of the physical characteristics of the Bartletts Ferry project to include:*
 - (1) *normal full pond water surface elevation, minimum pond elevation, maximum pond elevation, target elevation or target range for project operation;*
 - (2) *critical elevations for any large water intake in the reservoir or other water use which may be affected by fluctuating water elevations;*
 - (3) *the pool elevation, water surface area, and storage for the top of the dam, top of spillgates, top of power pool, spillway crest, flood control storage, power storage, and dead storage;*
 - (4) *the elevation of the turbine intakes and minimum elevation in which generation is no longer feasible;*
 - (5) *area-capacity curve and elevation-capacity curve in graphic and tabular format.*

2.2 Response to Information Request No. 1

All elevations are expressed in plant datum (PD).¹

- (1) Normal full pond water surface elevation is 521 feet PD, which corresponds to the top of the spillway gates (Table 2-1). The minimum pond elevation, the elevation below which neither Bartletts Ferry powerhouse can generate, is defined as elevation 489 feet PD. The west (original) powerhouse (Units 1-4) cannot operate below elevation 489 feet PD. The east (newer) powerhouse (Units 5 and 6) cannot operate below elevation 510 feet PD. The Bartletts Ferry target operating range is between 519 and 521 feet PD during average flow years.
- (2) Surface water withdrawals and treated wastewater discharges in the project vicinity were identified in the PAD. There are two large water intakes located in the FERC project boundary: Harris County, Georgia (permitted to withdraw 3 million gallons per day [mgd]); and Opelika, Alabama (authorized to withdraw 42 mgd). Additional information about these intakes was provided to FERC in an October 15, 2009, Additional Information Request Filing and in a March 4, 2010, Supplement to the Additional Information Request Filing. In summary, the critical elevation for Harris County is 505.0 feet mean sea level (MSL) (505.84 feet PD), and the critical elevation for the City of Opelika intake is 508.6 feet MSL (509.44 feet PD). There are no permitted wastewater discharges or other water uses within the project boundary which may be affected by fluctuating water levels.
- (3) Table 2-1 provides the pool elevation, water surface area, and reservoir storage defining various operational limits and zones of Bartletts Ferry Reservoir (Lake Harding).

¹ Mean Sea Level (MSL) + 0.84 foot = Plant Datum (PD)

TABLE 2-1
Physical Characteristics of Operational Limits and Zones of Bartletts Ferry Reservoir

	Pool Elevation (ft PD)	Water Surface Area^a (Acres)	Storage^b (Acre-feet)
Top of Dam (Top of West Intake/Top of Spillway Deck)	530	7,400	242,000
Top of Spillgates (top of controllable storage)	521	5,900	181,000
Top of Power Pool	521	5,900	181,000
Bottom of Power Pool ^c	515	5,000	148,000
Spillway Crest	500	3,200	85,000
Top of Flood Control Storage	NA ^d	NA	NA
Top of Power Storage	521	5,900	181,000
Top of Dead Storage	489	2,200	55,000

^a Data from Georgia Power Drawing 11-404-B176 and rounded to nearest hundred acres.

^b Data from Georgia Power Drawing 11-404-B176 and rounded to nearest thousand acre-feet.

^c The lowest elevation required for system emergency reserves as defined by the Intercompany Interchange Contract (IIC). More detailed discussion for this requirement is provided in Section 4.

^d Bartletts Ferry Dam does not provide flood control storage. The upstream U.S. Army Corps of Engineers (Corps) West Point facility provides flood control for the area. West Point Dam is located 23.5 miles upstream of Bartletts Ferry, was completed by 1978, and has 221,000 acre-feet of flood control storage.

- (4) The top of the intake to the west powerhouse (Units 1-4) is 489 feet PD. The bottom of the intake to the west powerhouse is 462 feet PD. The west powerhouse cannot generate below elevation 489 feet PD. The top of the intake to the east powerhouse (Units 5 and 6) is 510 feet PD. The bottom of the intake channel to the east powerhouse is 490 feet PD. The east powerhouse cannot generate below elevation 510 feet PD.
- (5) The graphical area-capacity curve and elevation-capacity curve are presented in Attachment A. The tabular format for both curves is presented as Attachment B.

3.0 Historic Flow and Water Surface Elevation

3.1 Information Request No. 2

2. *Historic flow and water surface elevation data for three representative drought years, including the drought year 2007. For each year provide water surface elevations and inflow and outflow for Lake Harding in daily time steps. The information should be provided in graphic and tabular format.*

3.2 Response to Information Request No. 2

All elevations are expressed in PD.

Georgia Power selected drought years based on available records for the U.S. Geological Survey (USGS) Chattahoochee River at US 280 gage 02341505, and its predecessor gage 02341500, located downstream of Georgia Power's North Highlands Dam and within the City of Columbus. For the period since West Point Dam began operation, 1974-2009, the worst drought year was 2007, the second worst drought year was 2008, and the third worst drought year was 2000.

The requested daily flow and elevation data for these three drought years (2000, 2007, and 2008) are presented graphically in Attachment C and in tabular format in Attachment D. The tables in Attachment D provide monthly data including daily inflow, daily discharge, daily minimum reservoir elevation, and daily maximum reservoir elevation for each of the three drought years.

In addition, flow and water surface elevation data for the other years in the period 1997-2009 are provided in tabular format in Attachment E and in Excel spreadsheet format attached with the FERC filing. The earliest year for which Georgia Power has readily available plant electronic data on file is 1997.

As described in the PAD (page 10), flow must be calculated for Bartletts Ferry because there are no gages within Bartletts Ferry Reservoir or in the Bartletts Ferry tailrace (Goat Rock reservoir). Daily flows at the downstream USGS Columbus gage, daily changes in the storage of the three Georgia Power reservoirs between Columbus and Bartletts Ferry, and daily generation and spillway operation data at Bartletts Ferry Dam were used to calculate daily inflows and discharges at the Bartletts Ferry Project.

4.0 Discussion of Project Operation

4.1 Information Request No. 3

3. *Georgia Power's Operational Primer for the project provides general information on how the project currently operates, including historical reservoir elevations. The project currently balances the rolling 7-day average inflow and outflow so that on a weekly basis project inflow and outflow are about the same. Please provide a more detailed discussion of project operation to address the following:*
 - (a) *The current license requirements for day-to-day operation and reservoir levels, or lack of these requirements, needs to be explicitly stated so that we clearly understand the existing license requirements of the project;*
 - (b) *Georgia Power proposes to continue the current project operation, but the critical operation parameters are not stipulated. Georgia Power's operations proposal needs to be quantified and presented in a manner which is easily transferred into an enforceable license article. The proposed operation needs to identify the proposed mode of operation, reservoir elevations which will be maintained, and provisions for the periodic fall drawdowns. The operation proposal should also include provisions for determining whether the project is in compliance with the proposed operation and reservoir elevation limits. Finally, Georgia Power should consider developing an operating reservoir elevation rule curve which includes compliance limits; and*
 - (c) *Georgia Power needs to provide justification as to why licensing to elevation 510 feet mean sea level (MSL) is necessary. Georgia Power currently can drawdown to elevation 510 feet MSL, and proposes to continue this provision. The project, however, has effectively maintained a higher elevation (i.e., about 519-522 feet MSL) throughout the year. Operating flexibility during unusual circumstances is typically accomplished by temporary waiver of the license requirement, and a decision to grant the waiver is based on the information available at that time.*

4.2 Response to Information Request No. 3

All elevations are expressed in PD.

- (a) There are no reservoir elevation limits or other requirements for day-to-day operations in the existing license.
- (b) There are three critical operation parameters, as discussed below:

The first critical operation parameter is the minimum flow requirement at the downstream Middle Chattahoochee Project (FERC No. 2177). The Middle Chattahoochee Project was relicensed in 2004 and consists of three Georgia Power developments (Goat Rock, Oliver, and North Highlands). The target instantaneous, daily average, and weekly average minimum flow releases at the farthest downstream Middle Chattahoochee development, North Highlands, are 800 cubic feet per second

(cfs), 1,350 cfs, and 1,850 cfs, respectively, or inflow, whichever is less. The Goat Rock and Oliver developments also have an instantaneous minimum flow requirement of 800 cfs. Inflow is defined as the 3-day average inflow for the instantaneous and daily average requirement, and as the 7-day average inflow for the weekly average requirement. This inflow includes the inflow into Bartletts Ferry Reservoir and local inflows between Bartletts Ferry Dam and the Middle Chattahoochee developments (Goat Rock, Oliver, and North Highlands); the majority of the total inflow into the Middle Chattahoochee developments comes in upstream of the Bartletts Ferry Project. During drought periods it is possible for inflows to be less than the target minimum release because of the “or inflow” provision.

By virtue of the minimum flow requirements in the Middle Chattahoochee license, water from Bartletts Ferry storage is released routinely over weekend periods to supplement flow to the downstream Middle Chattahoochee developments in order to meet the minimum flow requirements there. Water is released from Bartletts Ferry storage because of the 3-day daily average release requirement downstream and because the Corps’ upstream West Point Dam typically releases minimum flows over Saturday and Sunday. The Georgia Power operators also make releases to balance the levels of the four reservoirs (Bartletts Ferry, Goat Rock, Oliver, and North Highlands). During low flow periods, if any water in excess of that needed to meet minimum flow requirements is released, resulting water lost from Bartletts Ferry storage cannot be refilled until inflows exceed the specified minimum. During the most recent drought period of 2007-2008, which was the first drought to occur since the development of the Minimum Flow Plan for the Middle Chattahoochee Project, reservoir elevations were maintained at Bartletts Ferry between 517 and 521 feet PD 100 percent of the time, and between 518 and 521 feet PD 99.7 percent of the time.

Inflows into Bartletts Ferry Reservoir are largely influenced by the Corps’ West Point storage reservoir (82 percent of Bartletts Ferry inflow consists of West Point discharges, with that percentage increasing in a drought year when local inflows decline). Because the flows from West Point may be highly variable, are out of Georgia Power’s control, and may change several times a day due to Southeastern Power Administration (SEPA) scheduling, it would be unworkable to obtain a waiver from FERC in advance to go outside of a specified elevation range during a drought due to so many unknown real-time conditions. Therefore, for normal day-to-day operations, including during drought periods, Georgia Power proposes to maintain the reservoir between elevations 517 and 521 feet PD. Georgia Power is proposing that the upper limit for a rule curve would be 521 feet PD and the lower limit would be 517 feet PD. Georgia Power does not seasonally pull down Bartletts Ferry to capture high flows and is not proposing to do so under a new license for the Project. Hourly headwater elevations are recorded electronically and would be the basis of the Project’s compliance record. Georgia Power would propose in the new license that these elevation data could be made available at any time upon request by FERC.

The second critical operation parameter is homeowner dock maintenance drawdowns. Homeowner dock maintenance drawdowns typically occur in the fall and the reservoir is pulled lower than elevation 517 feet PD. These drawdowns historically have been conducted in consultation with the Georgia Department of Natural Resources’ Wildlife

Resources Division (WRD). As such, Georgia Power proposes to continue to consult with WRD on the timing, duration, and elevation of these drawdown events and to notify FERC of the schedule in advance.

The third critical operation parameter is Intercompany Interchange Contract (IIC) requirements. Southern Company currently participates in the IIC, which was developed in response to the Public Utility Public Holding Act's requirement that an integrated public utility system be economically operated as a single interconnected and coordinated system. The IIC defines minimum capacity reserve requirements. Annually, Georgia Power rates the hydroelectric capacity available at Bartletts Ferry to meet system emergencies. The 8-hour hydro capability rating is the average simulated generation during 8 consecutive hours occurring on 5 consecutive weekdays using the average water inflows from historical data (Georgia Power uses 20 years of historical flow data). Modeling indicates that 6 feet are needed to meet the requirements for this contract and system emergencies. This is the basis for the bottom of the power pool elevation of 515 feet PD presented in Table 2-1. If a system emergency necessitates that Georgia Power draw down Bartletts Ferry to 515 feet PD, a report could be submitted to FERC within 10 days of the emergency; this is a typical self-reporting time frame in other Georgia Power FERC licenses.

- (c) Georgia Power does not need the Bartletts Ferry Project to be licensed to elevation 510 feet PD. For normal day-to-day operations, including during drought periods, Georgia Power proposes to maintain the reservoir between elevations 517 and 521 feet PD 95 percent of the time (based on hourly operations data). Exceptions to this range would include fall homeowner maintenance drawdowns and system and plant specific operating emergencies beyond the control of the licensee. An example of a plant specific operating emergency might be a spillway gate failure or other dam safety feature, where the lake level needed to be drawn down to below 517 feet PD.

For fall homeowner dock maintenance drawdowns, FERC would be notified of the schedule established jointly with WRD in advance of the drawdown. For system operating emergencies or plant specific emergencies, a report after the event could be filed with FERC within 10 days of the emergency.

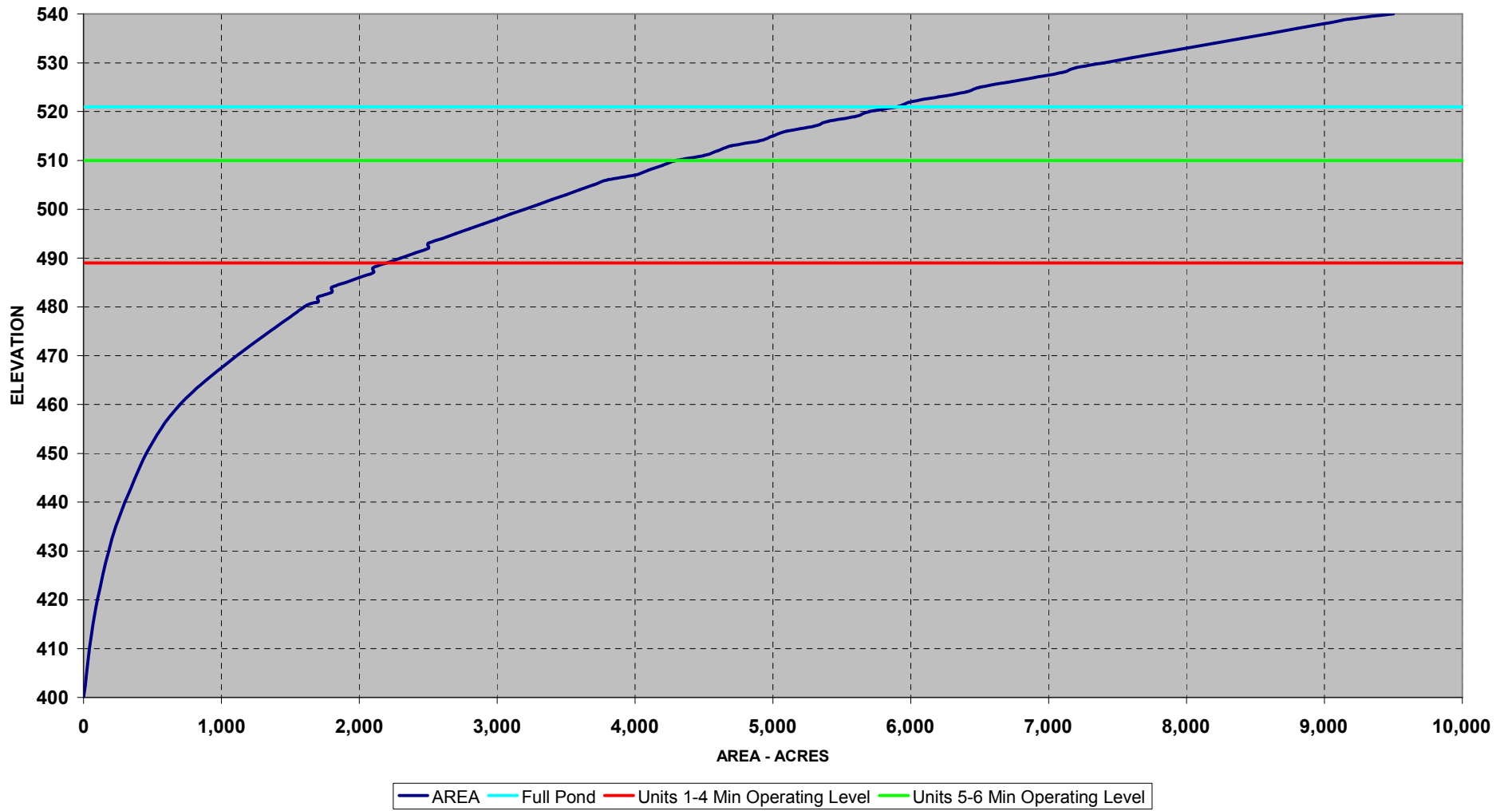
5.0 References

Georgia Power. 2009. Pre-application document, Bartletts Ferry Hydroelectric Project, FERC Project Number 485. Prepared with Southern Company Generation Hydro Services and CH2M HILL. May 2009.

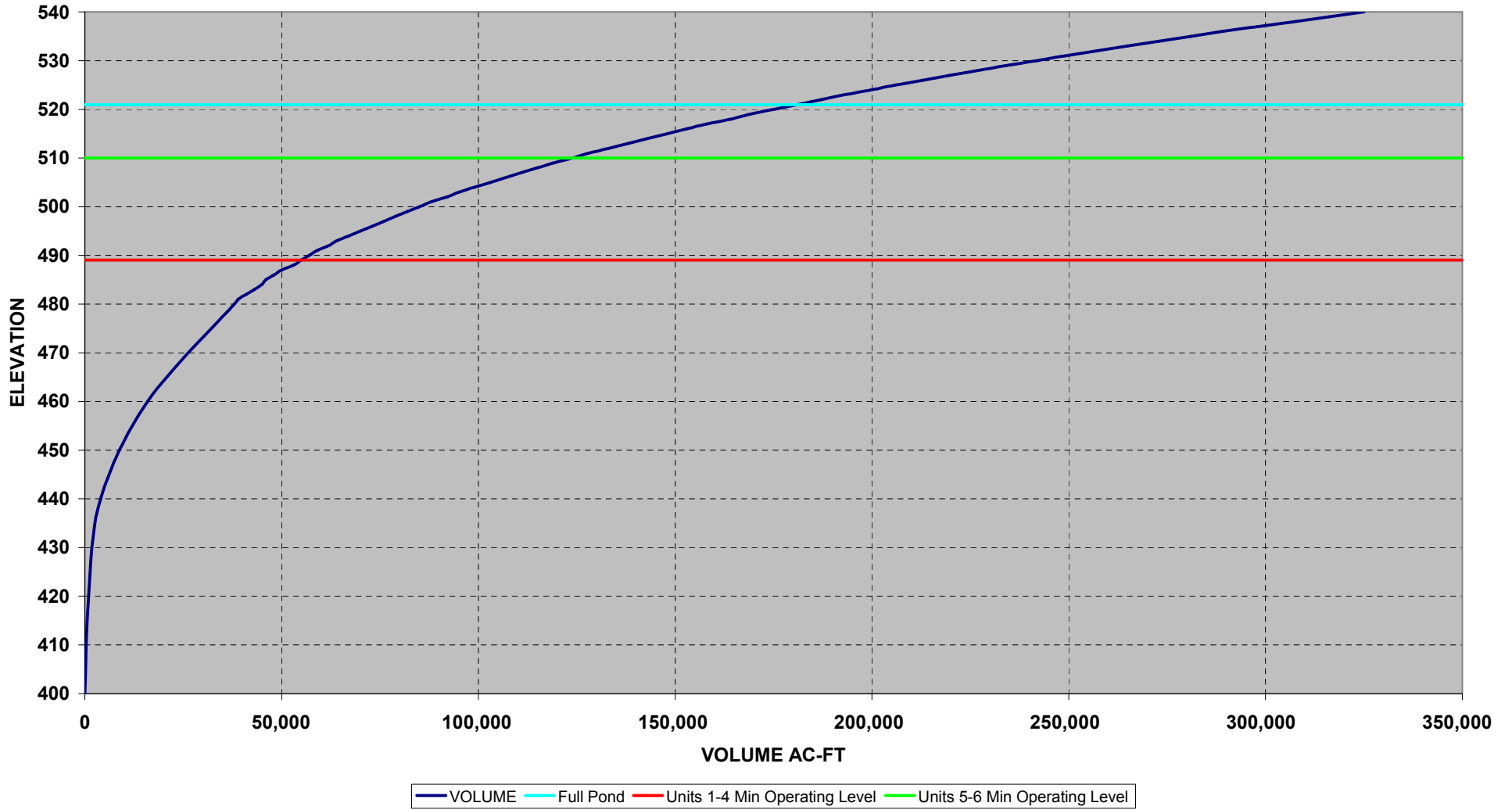
Area-Capacity and Elevation-Capacity Curves

Attachment A

BARTLETTS FERRY RESERVOIR
Elevation - Area



BARTLETTS FERRY RESERVOIR
Volume - Area



ATTACHMENT B

Elevation-Volume-Area Table

Attachment B
Bartletts Ferry Reservoir
Elevation-Volume-Area Table

Elevation (ft PD)	Volume AC-FT	Area AC
400	0	0
420	1,000	100
440	4,000	300
460	16,000	700
480	38,000	1,600
481	39,000	1,700
482	41,000	1,700
483	43,000	1,800
484	45,000	1,800
485	46,000	1,900
486	48,000	2,000
487	50,000	2,100
488	53,000	2,100
489	55,000	2,200
490	57,000	2,300
491	59,000	2,400
492	62,000	2,500
493	64,000	2,500
494	67,000	2,600
495	70,000	2,700
496	73,000	2,800
497	76,000	2,900
498	79,000	3,000
499	82,000	3,100
500	85,000	3,200
501	88,000	3,300
502	92,000	3,400
503	95,000	3,500
504	99,000	3,600
505	103,000	3,700
506	107,000	3,800
507	111,000	4,000
508	115,000	4,100
509	119,000	4,200

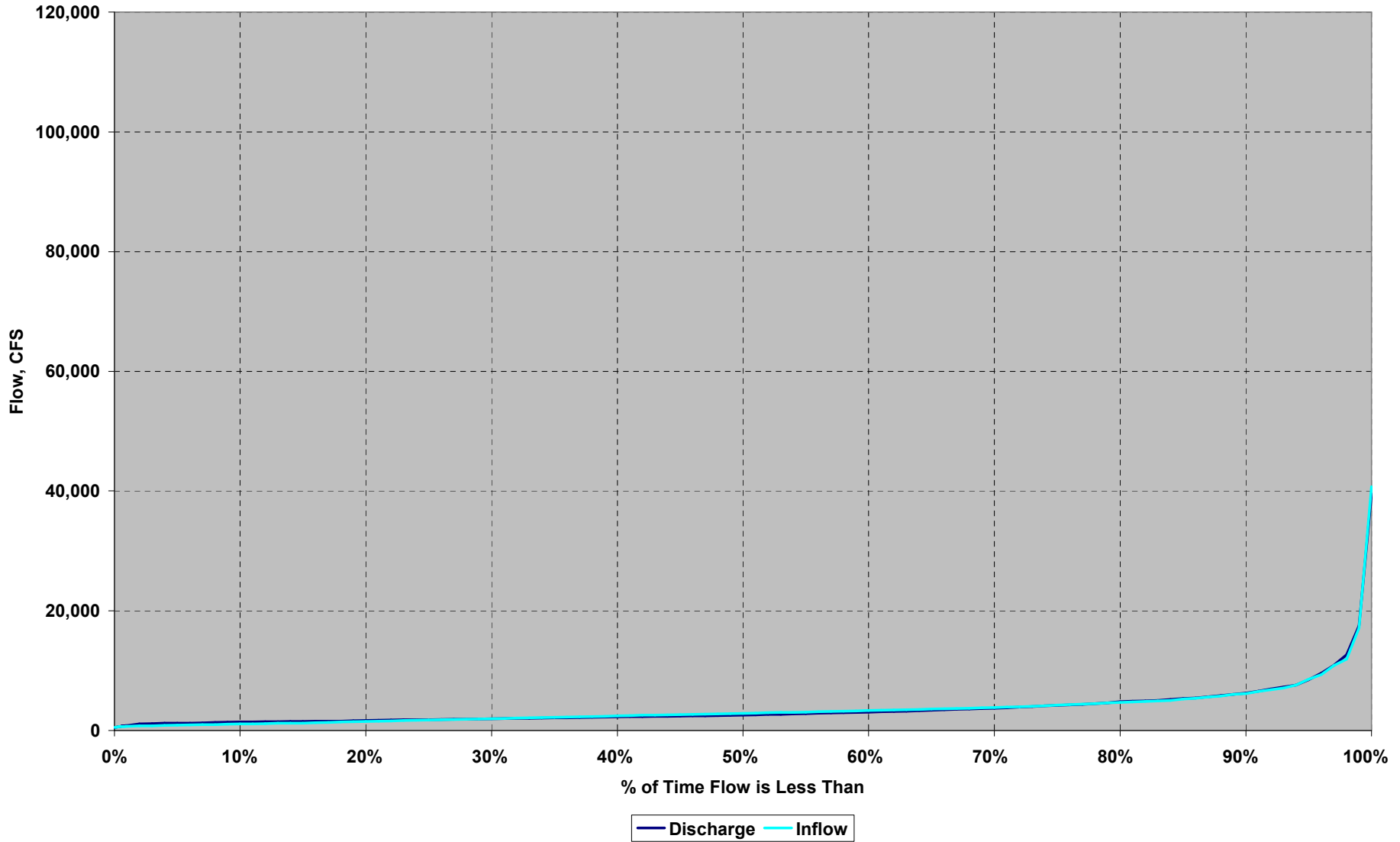
Elevation (ft PD)	Volume AC-FT	Area AC
510	124,000	4,300
511	128,000	4,500
512	133,000	4,600
513	138,000	4,700
514	143,000	4,900
515	148,000	5,000
516	153,000	5,100
517	158,000	5,300
518	164,000	5,400
519	169,000	5,600
520	175,000	5,700
521	181,000	5,900
522	187,000	6,000
523	193,000	6,200
524	200,000	6,400
525	206,000	6,500
526	213,000	6,700
527	220,000	6,900
528	227,000	7,100
529	234,000	7,200
530	242,000	7,400
531	249,000	7,600
532	257,000	7,800
533	265,000	8,000
534	273,000	8,200
535	281,000	8,400
536	289,000	8,600
537	298,000	8,800
538	307,000	9,000
539	316,000	9,200
540	325,000	9,500

ATTACHMENT C

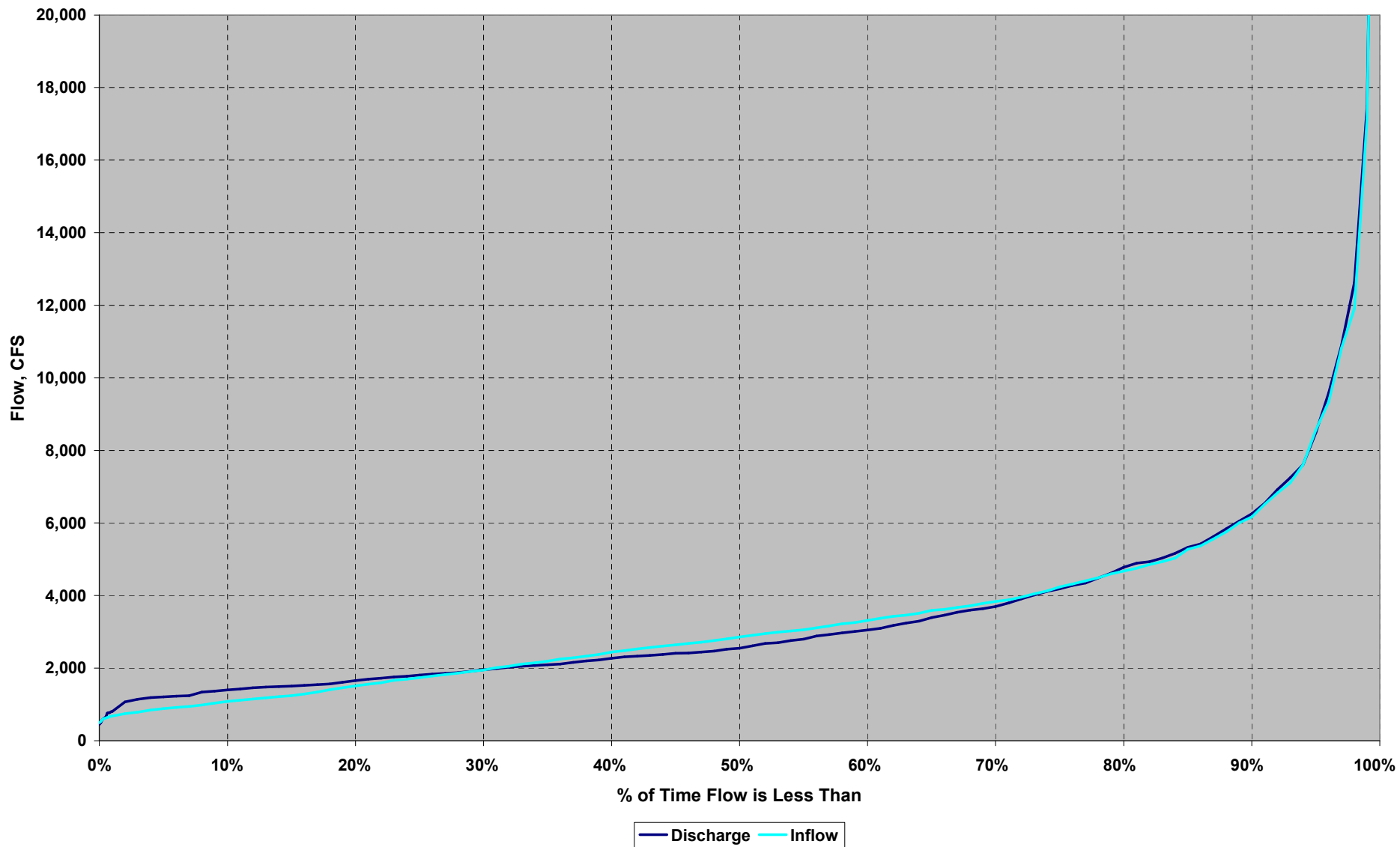
Daily Flow and Reservoir Elevation Graphs for Drought Years 2000, 2007, and 2008

Attachment C

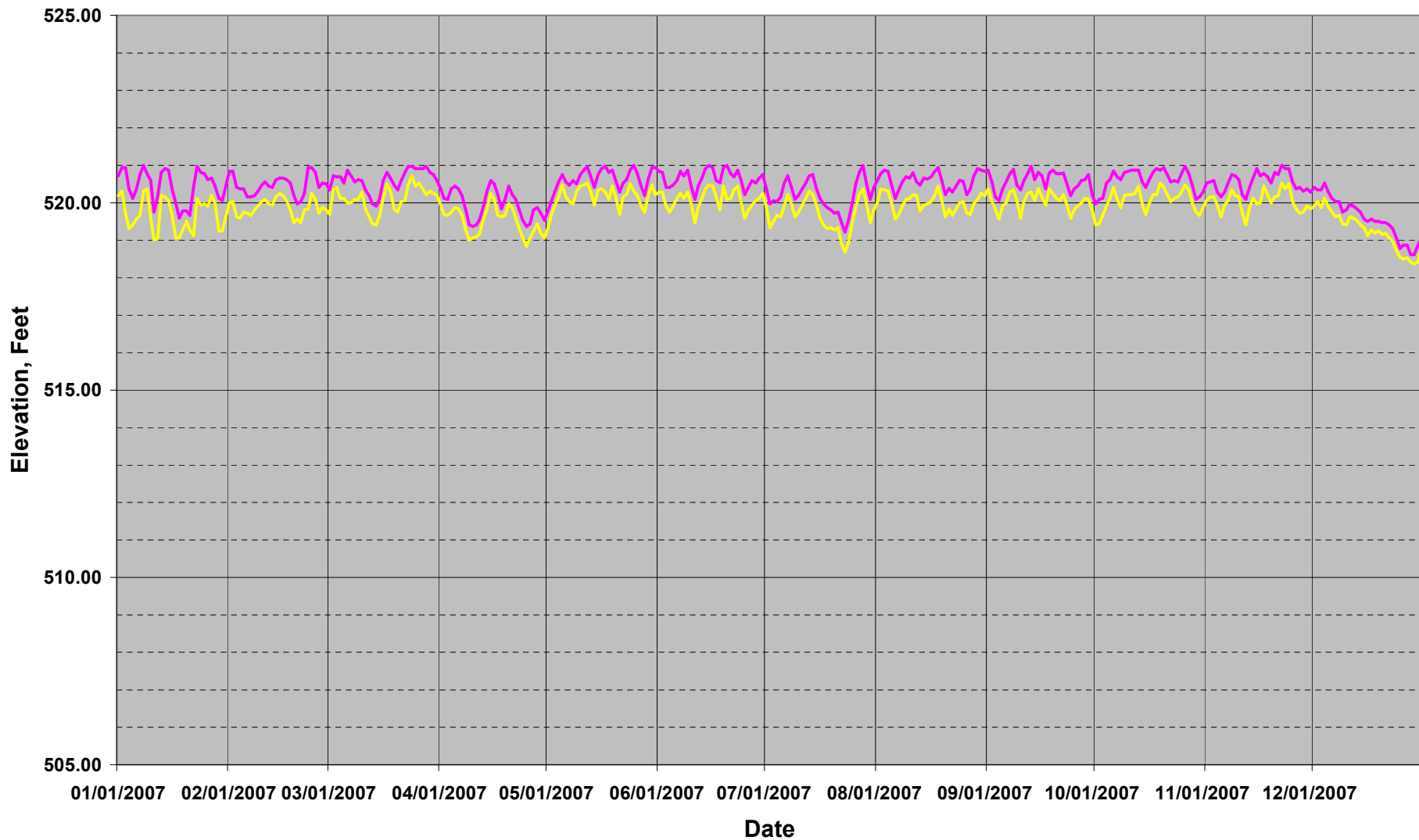
**Bartletts Ferry Reservoir
Daily Inflow and Discharge for 2000, 2007, and 2008 (cfs)**



Bartletts Ferry Reservoir
Daily Inflow and Discharge for 2000, 2007, and 2008 (cfs)

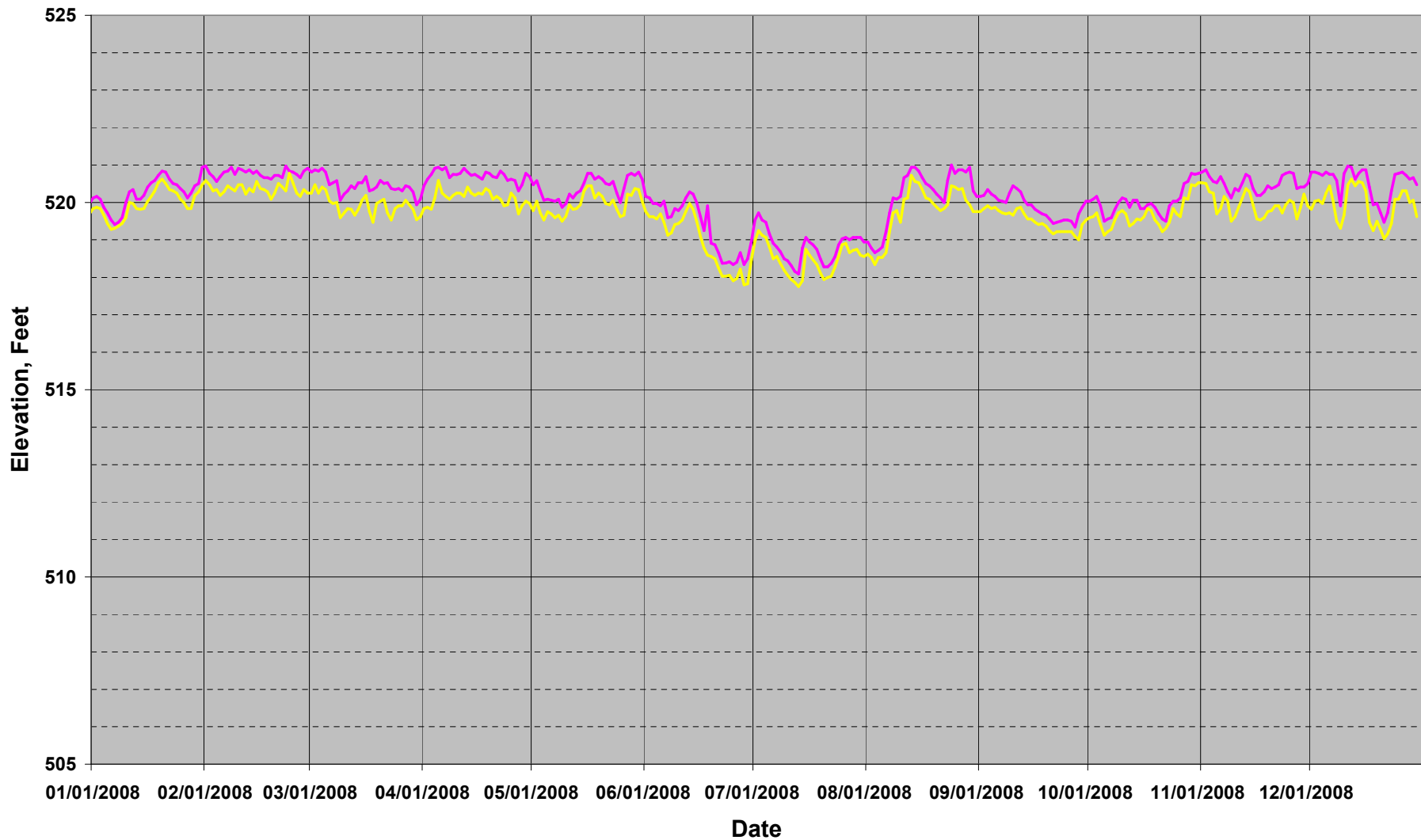


**Bartletts Ferry Reservoir
Daily Minimum and Maximum Elevations
2007**



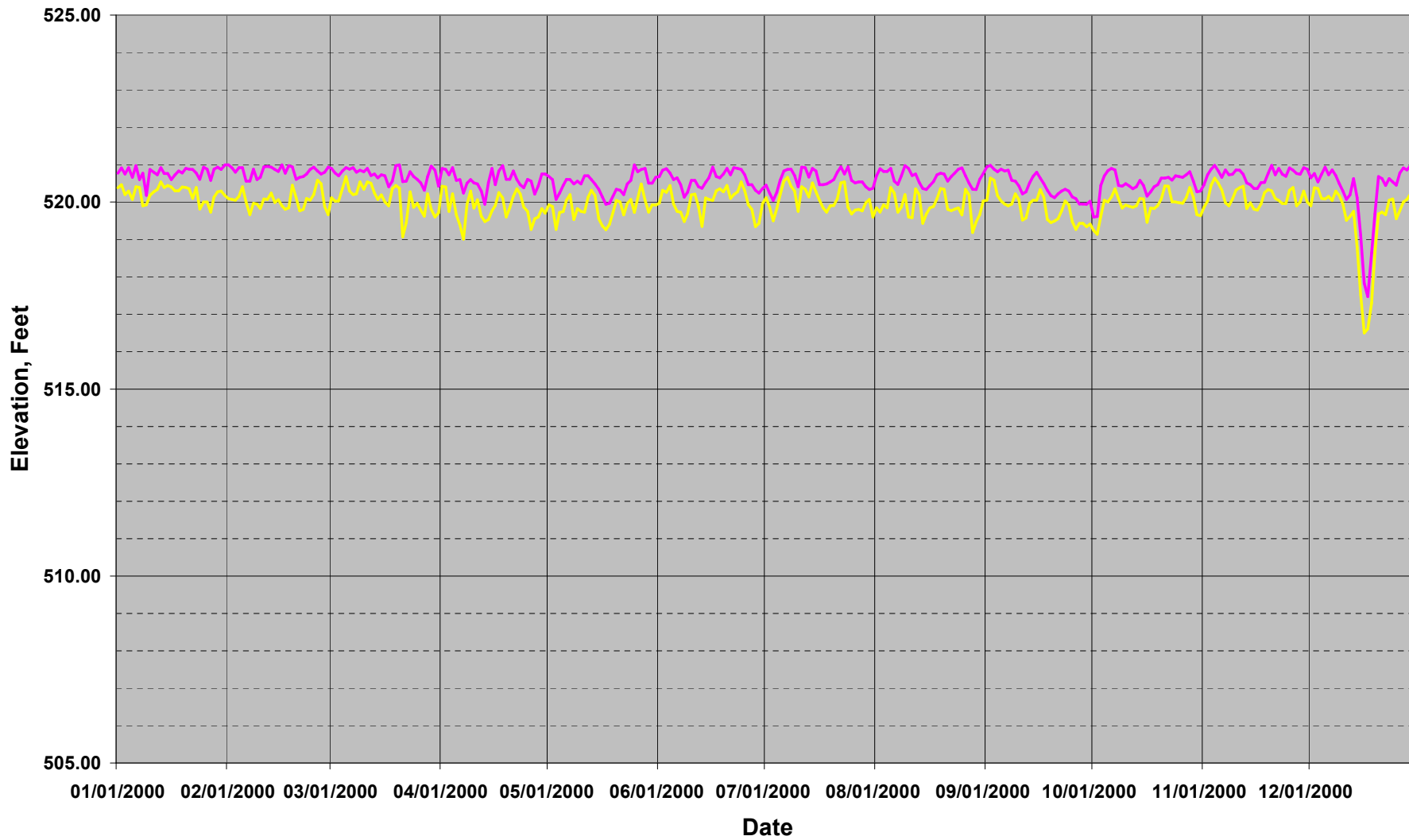
— Daily Maximum Elevation — Daily Minimum Elevation

**Bartletts Ferry Reservoir
Daily Minimum and Maximum Elevations
2008**



— Daily Maximum Elevation — Daily Minimum Elevation

**Bartletts Ferry Reservoir
Daily Minimum and Maximum Elevations
2000**



— Daily Maximum Elevation — Daily Minimum Elevation

ATTACHMENT D

Daily Flow and Reservoir Elevation Tables for Drought Years 2000, 2007, and 2008

Attachment D

**Bartletts Ferry Reservoir
Daily Inflow for 2007 (cfs)
2007 is Worst Drought 1974-2009**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4,569	8,591	6,828	1,221	2,969	4,320	987	3,020	1,388	2,893	2,300	2,250
2	5,366	10,767	12,596	2,039	2,860	1,127	2,447	3,402	748	2,676	2,363	1,214
3	8,414	7,381	14,301	2,928	2,413	772	2,256	3,197	2,151	2,219	1,218	2,327
4	8,733	5,532	12,282	3,221	3,238	2,869	2,110	795	2,308	3,508	805	2,178
5	9,339	3,443	11,246	2,681	1,817	2,971	3,002	814	3,100	2,381	2,724	1,861
6	6,099	3,624	8,594	3,334	884	3,689	2,785	2,678	2,851	1,457	2,544	1,962
7	5,407	3,604	5,321	1,184	2,473	3,727	1,114	3,202	2,641	963	3,158	1,937
8	15,606	3,566	3,227	1,161	2,587	3,361	1,215	3,222	937	3,241	2,111	881
9	13,097	3,462	2,824	2,253	2,772	1,147	2,216	3,357	639	3,440	2,693	1,097
10	10,629	3,610	1,581	1,854	2,967	762	2,202	2,887	3,096	3,085	772	2,512
11	10,885	3,362	1,781	1,399	2,641	2,412	2,641	1,703	3,965	3,252	761	1,826
12	10,548	3,414	2,323	3,065	1,427	3,179	2,548	920	3,713	3,068	2,948	1,253
13	10,657	3,996	2,686	3,235	952	3,126	1,691	2,770	4,773	926	3,790	1,222
14	8,622	4,338	2,696	2,666	2,334	3,223	1,225	2,951	4,985	1,142	5,932	1,305
15	6,643	3,913	3,722	2,335	3,120	3,605	792	3,080	2,370	2,869	4,257	1,331
16	5,909	3,622	3,704	3,455	2,802	1,155	1,328	3,081	881	3,724	3,839	1,837
17	4,604	3,627	2,197	3,723	3,090	841	1,821	3,143	3,538	3,708	2,665	1,664
18	4,658	3,493	1,565	3,837	2,324	3,063	1,775	950	3,799	2,522	1,141	1,610
19	4,347	3,554	3,256	3,601	1,727	3,962	1,791	738	3,054	2,861	3,742	1,563
20	1,589	3,409	4,437	2,691	803	2,906	1,694	2,591	3,807	1,937	4,241	1,687
21	1,660	4,161	2,895	1,572	2,629	2,829	929	2,816	4,188	1,577	3,018	1,103
22	6,537	4,500	4,757	1,179	4,020	3,048	666	2,579	1,677	1,821	3,001	1,088
23	7,740	5,588	4,793	988	4,477	1,041	8,513	3,027	1,202	3,044	3,354	1,076
24	6,520	4,098	1,855	1,727	4,374	894		2,637	3,227	1,944	2,462	917
25	6,537	3,618	1,871	2,045	4,307	2,723	3,852	902		2,779	1,299	1,116
26	4,882	5,156	4,080	2,470	2,359	3,030	3,715	1,454	2,639	3,104	2,684	2,009
27	1,794	5,372	2,967	2,167	1,028	2,265	3,410	3,259	2,608	1,195	2,933	999
28	1,621	4,645	2,810	1,784	3,744	2,272	1,031	3,350	2,332	830	2,829	1,270
29	3,287	--	2,527	1,006	4,257	2,505	787	3,363	963	2,097	2,768	1,169
30	5,827	--	2,229	2,207	4,240	921	2,581	3,450	682	2,139	2,016	2,837
31	7,430	--	1,208	--	4,065	--	3,413	3,603	--	2,634	--	

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Discharge for 2007 (cfs)
2007 is Worst Drought 1974-2009

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3,432	7,365	6,081	1,969	2,502	3,841	2,203	2,482	1,837	2,776	2,150	2,071
2	5,007	12,352	11,549	2,301	1,777	2,353	2,301	2,923	1,975	2,501	1,884	1,483
3	10,926	7,082	14,870	2,397	2,114	1,962	2,489	3,287	2,474	1,862	1,786	1,879
4	9,374	5,920	13,419	2,922	2,042	1,381	1,819	1,932	1,895	2,761	1,550	2,447
5	9,427	3,620	10,019	3,070	1,996	3,360	2,349	1,622	2,352	1,543	2,158	2,340
6	4,353	3,624	9,910	3,035	1,900	2,852	1,679	2,618	2,103	1,546	2,364	2,406
7	5,497	3,516	4,483	2,392	1,546	4,175	1,832	2,454	1,983	2,160	2,231	1,762
8	14,768	3,088	2,928	2,356	2,975	2,433	2,083	2,713	2,163	1,955	2,111	1,697
9	13,277	3,192	2,734	2,428	2,293	2,373	2,245	3,267	1,476	3,231	2,603	1,563
10	13,205	3,132	2,239	1,767	2,220	1,689	1,575	2,737	2,348	2,995	1,878	1,958
11	12,635	3,751	2,706	1,661	2,461	2,675	2,282	2,152	3,217	3,252	2,059	1,651
12	7,239	3,892	2,965	2,074	2,175	1,601	1,920	1,368	3,145	3,128	1,950	1,515
13	9,550	3,428	2,861	2,418	1,699	2,468	1,661	2,232	6,178	1,614	3,401	1,397
14	9,369	4,039	2,784	1,452	2,035	2,953	2,063	3,041	4,776	2,189	4,616	1,684
15	7,301	3,733	2,371	2,006	2,104	3,605	1,509	2,811	1,832	2,002	4,915	1,681
16	6,732	3,802	2,298	3,874	2,533	1,993	1,767	2,812	2,077	3,096	3,749	1,750
17	6,149	3,926	2,197	5,372	3,838	1,678	2,113	2,635	2,910	3,229	2,217	1,577
18	4,279	4,420	2,222	3,837	2,594	2,016	2,096	1,818	2,662	2,881	1,979	1,697
19	3,735	4,283	4,093	2,697	1,906	2,766	2,083	1,874	3,443	2,413	3,354	1,563
20	1,764	3,147	3,959	2,691	1,551	4,132	1,549	2,292	4,076	2,595	4,331	1,687
21	2,098	3,695	2,716	1,659	2,450	2,919	1,512	2,996	4,278	2,115	2,479	1,394
22	3,590	4,022	3,262	1,996	3,751	2,480	2,032	2,310	2,066	2,329	2,791	1,526
23	7,470	3,256	4,314	1,834	3,729	1,609	1,761	2,549	2,219	2,446	3,174	1,630
24	7,088	4,667	2,334	2,251	3,537	2,210		2,547	2,958	1,854	3,120	1,627
25	6,716	4,934	2,229	2,337	5,324	2,335	2,482	1,949		1,852	2,226	1,485
26	4,134	5,246	3,811	1,450	3,107	2,372	2,219	1,723	1,981	3,583	2,983	1,469
27	2,362	5,552	3,056	2,167	2,128	2,295	2,483	2,153	2,608	1,823	3,022	1,710
28	2,369	5,034	3,289	1,434	2,914	2,063	2,227	2,303	1,794	1,967	2,620	1,355
29	4,575	--	2,707	2,085	2,971	2,086	2,013	3,453	2,458	2,274	2,768	1,425
30	4,894	--	2,409	1,216	3,582	1,908	2,401	3,540	1,420	2,227	1,836	1,615
31	6,717	--	1,865	--	4,903	--	2,367	3,813	--	1,861	--	

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Minimum Reservoir Elevation for 2007
 2007 is Worst Drought 1974-2009

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.19	520.00	519.69	519.94	519.34	520.28	519.87	520.00	520.37	519.41	520.06	519.91
2	520.31	520.03	520.34	519.69	519.69	520.28	519.34	520.37	520.03	519.44	520.16	520.03
3	519.72	519.62	520.41	519.66	519.94	519.91	519.50	520.34	519.84	519.66	520.16	519.87
4	519.31	519.59	520.12	519.75	520.16	519.75	519.66	520.31	519.56	519.91	519.94	520.12
5	519.41	519.75	520.12	519.87	520.47	519.91	519.62	520.00	519.91	520.12	519.62	519.89
6	519.56	519.72	520.00	519.84	520.16	520.12	519.91	519.56	520.00	520.41	519.94	519.75
7	519.66	519.66	520.00	519.66	520.03	520.25	520.22	519.69	520.28	520.09	520.06	519.62
8	520.31	519.81	520.09	519.28	519.97	520.12	519.97	519.91	520.34	519.87	520.34	519.66
9	520.37	519.91	520.09	519.00	520.31	520.28	519.62	520.09	520.06	520.19	520.19	519.44
10	519.59	520.03	520.28	519.06	520.44	519.97	519.75	520.12	519.59	520.22	520.16	519.41
11	519.00	520.09	519.84	519.09	520.47	519.47	519.94	520.22	520.03	520.22	519.72	519.62
12	519.06	519.97	519.62	519.19	520.53	519.87	520.12	520.19	520.25	520.25	519.41	519.59
13	520.19	519.94	519.44	519.56	520.28	520.12	520.31	519.78	520.28	520.44	519.87	519.53
14	520.16	520.16	519.41	519.84	519.94	520.37	520.22	519.94	520.06	519.97	520.12	519.41
15	520.06	520.25	519.66	520.25	520.34	520.47	519.94	519.97	520.38	519.69	519.97	519.34
16	519.66	520.19	520.12	520.09	520.37	520.44	519.59	520.03	520.16	519.97	520.00	519.12
17	519.06	520.06	520.50	519.66	520.28	520.16	519.41	520.19	519.94	520.22	520.44	519.28
18	519.06	519.81	520.31	519.62	520.09	519.81	519.31	520.44	520.37	520.22	520.22	519.19
19	519.28	519.47	519.84	519.66	520.44	520.44	519.34	520.06	520.25	520.53	520.00	519.25
20	519.50	519.56	519.75	519.97	520.12	520.09	519.28	519.62	520.12	520.41	520.16	519.16
21	519.28	519.47	520.03	519.87	519.69	520.12	519.34	519.84	520.06	520.22	520.19	519.19
22	519.12	519.81	520.06	519.59	520.16	520.34	518.91	519.66	520.22	520.03	520.53	519.06
23	520.12	519.84	520.47	519.31	520.22	520.44	518.68	519.84	519.94	520.12	520.37	518.97
24	519.94	520.25	520.72	519.06	520.50	520.00	518.94	520.00	519.59	520.16	520.50	518.72
25	519.97	520.09	520.44	518.84	520.31	519.59	519.47	520.03	519.81	520.28	520.03	518.56
26	519.91	519.72	520.53	519.06	520.19	519.81	519.87	519.73	519.91	520.47	519.84	518.50
27	520.19	519.87	520.37	519.25	519.91	519.94	520.22	519.69	520.00	520.34	519.72	518.53
28	520.00	519.81	520.22	519.44	519.75	520.06	520.37	519.97	520.12	520.00	519.75	518.41
29	519.25	--	520.31	519.19	520.19	520.12	519.97	520.09	520.09	519.75	519.91	518.37
30	519.25	--	520.25	519.06	520.47	520.25	519.47	520.25	519.81	519.66	519.84	518.41
31	519.62	--	520.19	--	520.22	--	519.81	520.19	--	519.87	--	518.87

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Maximum Reservoir Elevation for 2007
2007 is Worst Drought 1974-2009

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.72	520.84	520.34	520.37	519.78	520.84	520.37	520.59	520.87	519.97	520.53	520.41
2	520.94	520.84	520.72	520.12	520.06	520.81	519.97	520.78	520.56	520.09	520.56	520.34
3	520.94	520.41	520.69	520.09	520.31	520.41	520.06	520.87	520.15	520.12	520.59	520.34
4	520.37	520.37	520.69	520.37	520.56	520.41	520.03	520.84	520.06	520.53	520.28	520.53
5	520.12	520.37	520.53	520.44	520.75	520.47	520.16	520.47	520.37	520.62	520.16	520.28
6	520.34	520.16	520.87	520.37	520.56	520.59	520.53	520.12	520.56	520.85	520.28	520.12
7	520.75	520.16	520.72	520.19	520.47	520.84	520.72	520.34	520.78	520.69	520.53	520.03
8	521.00	520.19	520.56	519.81	520.59	520.72	520.41	520.56	520.89	520.62	520.75	520.03
9	520.78	520.31	520.62	519.41	520.50	520.87	520.09	520.69	520.47	520.81	520.72	519.75
10	520.59	520.46	520.59	519.37	520.75	520.44	520.20	520.66	520.34	520.84	520.62	519.81
11	519.75	520.56	520.34	519.41	520.87	520.09	520.37	520.80	520.59	520.87	520.22	519.97
12	520.19	520.44	520.19	519.56	520.97	520.44	520.53	520.56	520.78	520.87	520.09	519.91
13	520.81	520.41	519.97	519.91	520.69	520.66	520.72	520.47	520.97	520.87	520.41	519.84
14	520.91	520.61	519.91	520.31	520.41	520.91	520.75	520.66	520.62	520.56	520.66	519.75
15	520.87	520.66	520.12	520.59	520.75	521.00	520.37	520.63	520.81	520.41	520.91	519.56
16	520.37	520.66	520.59	520.50	520.91	520.94	520.12	520.69	520.72	520.62	520.72	519.50
17	519.99	520.62	520.81	520.22	520.97	520.59	519.97	520.83	520.37	520.81	520.78	519.56
18	519.59	520.53	520.66	519.84	520.81	520.54	519.87	520.94	520.79	520.91	520.69	519.50
19	519.78	520.19	520.47	520.09	520.87	520.94	519.81	520.59	520.87	520.87	520.53	519.50
20	519.78	519.97	520.34	520.44	520.56	521.00	519.72	520.22	520.78	520.94	520.81	519.47
21	519.66	520.03	520.59	520.22	520.28	520.78	519.75	520.38	520.78	520.75	520.75	519.47
22	520.41	520.25	520.81	520.09	520.53	520.69	519.47	520.28	520.79	520.56	521.00	519.41
23	520.97	520.94	520.97	519.81	520.62	520.87	519.22	520.44	520.50	520.59	520.91	519.31
24	520.81	520.94	520.97	519.53	520.87	520.59	519.53	520.60	520.19	520.56	520.91	519.06
25	520.78	520.81	520.91	519.37	521.00	520.22	520.00	520.57	520.37	520.78	520.56	518.78
26	520.62	520.41	520.91	519.44	520.78	520.41	520.50	520.22	520.44	520.97	520.37	518.87
27	520.66	520.53	520.91	519.81	520.44	520.59	520.81	520.37	520.59	520.78	520.41	518.87
28	520.44	520.50	520.97	519.87	520.19	520.53	520.99	520.72	520.62	520.47	520.31	518.62
29	520.12	--	520.81	519.72	520.62	520.66	520.50	520.91	520.75	520.09	520.37	518.62
30	520.06	--	520.75	519.53	520.94	520.75	520.09	520.87	520.22	520.16	520.28	518.87
31	520.44	--	520.59	--	520.94	--	520.41	520.84	--	520.28	--	519.06

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Inflow for 2008 (cfs)
 2008 is 2nd Worst Drought 1974-2009

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2,444	4,067	5,686	3,371	3,757	984	3,162	1,380	1,672	1,931	1,558	4,588
2	2,137	3,472	2,608	3,758	3,523	2,040	3,427	758	1,766	2,057	2,250	6,107
3	1,510	2,078	3,731	3,260	2,306	1,508	1,560	699	1,958	2,174	2,124	6,553
4	984	1,684	3,167	3,574	1,218	1,687	1,354	1,203	1,389	956	1,670	6,825
5	1,127	2,013	5,663	3,718	1,933	1,523	1,153	1,615	1,201	826	1,531	6,425
6	993	2,791	6,965	2,787	1,873	2,095	1,102	1,559	1,072	1,994	4,822	2,446
7	924	5,567	8,733	3,592	1,719	848	1,406	2,624	957	909	5,758	2,342
8	861	4,842	6,482	3,221	1,896	1,218	1,231	2,561	1,268	2,279	1,392	4,311
9	979	4,836		5,311	1,524	2,748	1,081	1,811	1,578	1,888	910	3,830
10	1,209	4,193	7,335	6,757	1,522	1,974	1,004	1,303	2,497	1,694	3,048	3,642
11	2,025	4,785	7,925	6,873	1,960	2,171	1,293	3,244	2,992	1,175	3,197	6,928
12	1,847	5,236	6,799	4,969	4,946	1,871	927	4,893	1,847	1,047	2,649	10,074
13	1,336	4,314	4,683	3,461	8,193	2,679	1,231	6,014	996	2,108	3,232	12,074
14	1,103	4,824	4,934	4,103	4,498	1,585	1,351	2,373	909	2,161	2,721	11,022
15	1,598	4,895	2,868	3,656	3,511	1,199	3,866	1,937	1,525	1,997	1,276	10,463
16	2,117	1,827	2,960	3,781	5,350	970	1,527	943	1,026	1,615	1,068	10,984
17	2,990	1,668	2,796	2,476	9,773	759	987	932	1,175	1,507	4,557	8,776
18	2,706	2,280	4,643	2,565	3,588	735	1,059	1,536	1,165	960	4,461	6,991
19	1,920	2,399	5,843	2,281	3,145	1,249	1,111	1,233	1,155	922	4,901	4,977
20	1,616	3,619	4,133	1,901	1,896	1,263	631	928	882	915	4,701	1,818
21	2,066	7,401	3,635	1,804	1,807	783	1,238	1,283	763	1,323	3,820	1,441
22	1,904	12,087	4,163	1,928	2,013	726	1,708	1,200	1,096	958	2,376	2,251
23	1,748	11,579	4,092	3,669	2,126	1,108	1,596	1,713	1,121	1,501	2,523	3,548
24	1,139	7,833	4,351	2,808	1,598	1,453	1,429	4,276	1,076	2,714	4,929	4,190
25	1,595	10,341	3,375	2,831	1,136	1,425	1,329	4,922	1,149	1,572	6,160	3,753
26	1,247	6,583	2,510	2,572	1,022	1,335	844	6,496	988	1,548	6,092	
27	1,114	6,476	2,272	1,193	3,984	2,638	710	8,977	879	2,750	4,989	2,936
28	1,742	5,144	2,736	2,036	3,311	1,254	1,499	10,658	842	2,740	4,388	1,746
29	2,302	5,736	1,559	3,886	2,446	602	1,322	11,660	2,805	2,970	2,929	3,116
30	1,859	--	1,914	3,970	2,895	3,518	1,289	4,473	2,082	2,139	1,940	3,900
31	2,329	--	2,103	--	1,810	--	1,149	2,073	--	1,901	--	3,057

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Discharge for 2008 (cfs)
2008 is 2nd Worst Drought 1974-2009

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,628	2,661	5,686	2,812	4,116	2,210	1,826	1,380	1,762	1,814	1,468	4,200
2	1,781	4,309	3,446	2,921	3,523	2,395	1,796	1,099	1,766	1,882	2,070	5,838
3	1,690	2,467	3,074	3,439	2,306	1,799	1,910	1,069	1,390	1,907	2,692	6,733
4	1,541	1,953	4,005	4,053	2,432	1,774	1,733	1,118	1,688	1,602	2,029	6,735
5	1,565	1,655	4,825	1,744	2,195	1,786	1,794	1,331	1,380	1,993	1,710	6,335
6	1,547	3,629	8,012	2,966	1,698	1,541	1,732	1,218	1,337	1,994	4,732	2,536
7	1,391	4,341	8,344	3,951	1,719	2,131	1,747	1,442	1,161	1,376	6,236	1,953
8	773	5,141	7,290	3,998	1,896	1,772	1,686	1,103	1,356	1,462	1,572	5,059
9	775	4,926		5,221	1,815	1,757	1,507	1,374	1,374	1,247	1,388	5,875
10	771	4,463	7,602	6,697	1,756	1,974	1,373	1,478	1,487	1,227	3,579	3,904
11	829	4,127	7,838	7,292	968	1,791	1,549	2,211	3,470	1,263	2,366	3,634
12	1,010	5,326	6,974	3,383	4,946	1,696	1,467	3,398	1,847	1,514	2,290	9,655
13	2,084	5,182	4,508	4,209	8,485	1,766	1,481	5,835	1,440	2,021	2,754	12,941
14	1,455	4,346	5,489	4,014	4,294	1,764	1,351	1,805	1,463	2,248	2,452	11,202
15	1,335	4,416	1,835	4,015	2,409	1,758	1,401	2,415	1,438	1,910	2,024	9,805
16	1,549	2,036	1,854	3,602	4,961	1,962	1,441	1,511	1,376	1,877	1,995	10,984
17	2,720	1,847	3,634	2,954	8,756	1,838	1,413	1,500	1,379	1,070	4,557	9,883
18	2,437	2,370	5,301	2,266	4,156	1,656	1,429	1,715	1,340	756	4,636	8,480
19	1,262	2,489	5,932	1,833	3,504	1,420	1,452	1,502	1,155	1,126	4,367	5,531
20	1,227	3,260	3,475	2,170	1,896	1,348	1,341	1,496	1,145	1,644	4,402	2,110
21	2,066	7,282	3,067	2,282	2,196	1,408	1,352	1,460	1,142	1,673	3,909	2,345
22	2,383	12,476	4,372	2,108	2,192	1,436	1,424	1,491	1,096	1,337	2,466	2,164
23	2,107	11,310	4,929	3,190	2,215	1,364	1,425	1,509	1,033	1,035	2,343	2,615
24	1,348	7,354	4,909	3,286	2,077	1,368	633	2,336	989	1,518	4,660	2,272
25	1,865	10,251	2,518	2,921	1,872	1,425	448	5,281	1,032	1,485	5,412	2,527
26	1,426	6,852	2,420	2,093	1,547	1,875	560	6,047	1,105	1,840	6,002	
27	1,592	7,403	2,571	1,941	1,885	1,587	795	8,229	1,054	1,924	5,826	2,009
28	1,742	4,965	2,168	2,514	2,683	1,680	1,328	11,316	1,192	2,172	5,723	2,194
29	1,734	4,898	2,397	3,049	2,686	1,783	1,407	11,181	1,347	2,223	1,773	3,415
30	1,680	--	2,381	3,701	2,536	1,626	1,289	5,968	1,557	2,049	1,581	4,169
31	1,850	--	2,016	--	2,259	--	1,604	2,910	--	1,512	--	3,982

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Minimum Reservoir Elevation for 2008
 2008 is 2nd Worst Drought 1974-2009

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	519.69	520.47	520.25	519.62	519.97	520.03	518.47	518.56	519.75	519.53	520.53	519.91
2	519.84	520.59	520.25	519.84	519.78	519.75	518.97	518.62	519.75	519.59	520.53	519.81
3	519.87	520.47	520.47	519.87	520.03	519.62	519.25	518.53	519.84	519.62	520.5	520.03
4	519.84	520.31	520.25	519.81	519.72	519.62	519.12	518.34	519.91	519.72	520.28	520.06
5	519.66	520.34	520.41	520.12	519.53	519.56	519.06	518.53	519.84	519.41	520.25	519.97
6	519.44	520.19	520.34	520.59	519.75	519.69	518.81	518.53	519.87	519.12	519.69	520.25
7	519.28	520.28	520.04	520.25	519.69	519.47	518.5	518.66	519.78	519.22	519.84	520.44
8	519.31	520.44	519.97	520.16	519.59	519.12	518.56	519.22	519.72	519.28	520.16	520.03
9	519.37	520.37	520	520.09	519.66	519.19	518.37	519.72	519.69	519.53	520.03	519.5
10	519.44	520.31	519.59	520.19	519.5	519.41	518.19	519.78	519.72	519.72	519.5	519.31
11	519.59	520.47	519.72	520.25	519.63	519.44	518.06	519.47	519.66	519.78	519.62	519.66
12	520	520.47	519.84	520.25	519.94	519.53	517.94	520.09	519.84	519.69	519.87	520.47
13	519.97	520.22	519.81	520.16	519.81	519.75	517.87	520.12	519.87	519.37	520.12	520.62
14	519.84	520.37	519.66	520.41	519.84	519.97	517.75	520.72	519.69	519.44	520.37	520.44
15	519.81	520.28	519.81	520.25	519.94	519.81	517.91	520.56	519.56	519.56	520.28	520.56
16	519.84	520.56	520.06	520.19	520.31	519.5	518.75	520.53	519.56	519.53	519.94	520.53
17	520.03	520.37	520.19	520.25	520.44	519.09	518.59	520.34	519.47	519.62	519.56	520.31
18	520.16	520.34	519.75	520.22	520.44	518.78	518.47	520.12	519.41	519.84	519.53	519.47
19	520.31	520.28	519.47	520.37	520.12	518.59	518.34	520.09	519.44	519.78	519.59	519.25
20	520.53	520.09	519.97	520.31	520.25	518.56	518.12	519.97	519.37	519.53	519.75	519.5
21	520.62	520.25	520.03	520.09	520.16	518.5	517.94	519.87	519.25	519.41	519.78	519.28
22	520.5	520.5	520.09	520.16	519.97	518.25	518	519.78	519.16	519.22	519.91	519.03
23	520.34	520.41	519.72	520.09	519.94	518.03	518.03	519.84	519.22	519.31	519.91	519.16
24	520.31	520.31	519.53	519.91	520.06	518.03	518.28	519.94	519.22	519.47	519.72	519.44
25	520.25	520.78	519.84	519.94	519.81	518.06	518.56	520.44	519.22	519.84	519.94	520.09
26	520.09	520.53	519.91	520.25	519.62	517.91	518.87	520.41	519.22	519.69	520.06	520.09
27	520	520.25	519.91	520.12	519.66	517.97	518.91	520.34	519.22	519.62	520	520.31
28	519.84	520.16	520.06	519.69	520.22	518.22	518.66	520.37	519.09	520.12	519.56	520.31
29	519.84	520.34	519.94	519.91	520.19	517.8	518.72	520.06	519	520.09	519.86	520
30	520.19	--	519.81	520.03	520.37	517.83	518.75	519.94	519.41	520.47	520.22	520.06
31	520.28	--	519.54	--	520.34	--	518.59	519.75	--	520.44	--	519.62

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Maximum Reservoir Elevation for 2008
 2008 is 2nd Worst Drought 1974-2009

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	519.97	520.94	520.91	520.09	520.69	520.62	518.97	518.94	520.16	520.03	520.78	520.5
2	520.12	520.97	520.81	520.44	520.47	520.16	519.53	518.94	520.16	520.03	520.81	520.81
3	520.16	520.78	520.87	520.62	520.58	520.12	519.72	518.78	520.19	520.09	520.87	520.81
4	520.09	520.69	520.84	520.75	520.31	519.97	519.53	518.66	520.34	520.16	520.69	520.78
5	519.87	520.56	520.91	520.91	520.06	519.97	519.47	518.72	520.22	519.91	520.56	520.72
6	519.72	520.69	520.81	520.94	520.09	519.91	519.16	518.81	520.16	519.5	520.53	520.81
7	519.53	520.81	520.47	520.87	520.06	520.03	518.91	519.22	520.06	519.56	520.69	520.75
8	519.41	520.84	520.53	520.94	520.03	519.59	518.81	519.72	520.03	519.59	520.5	520.75
9	519.47	520.94	520.58	520.66	520.09	519.62	518.69	520.12	520	519.81	520.28	520.59
10	519.59	520.75	520.06	520.75	519.87	519.84	518.5	520.09	520.25	520	520.12	519.91
11	520	520.91	520.22	520.74	519.97	519.78	518.44	520.16	520.44	520.12	520.37	520.77
12	520.28	520.87	520.31	520.78	520.22	519.91	518.31	520.66	520.37	520.09	520.31	520.97
13	520.34	520.81	520.44	520.91	520.12	520.12	518.16	520.72	520.28	519.87	520.53	520.94
14	520.09	520.87	520.37	520.81	520.25	520.28	518.09	520.94	520.06	520.06	520.75	520.62
15	520.09	520.78	520.53	520.72	520.31	520.22	518.78	520.94	519.94	520.06	520.69	520.78
16	520.19	520.84	520.53	520.75	520.53	520	519.06	520.84	519.94	519.84	520.37	520.87
17	520.41	520.72	520.69	520.69	520.78	519.62	518.94	520.66	519.81	519.84	520.19	520.87
18	520.53	520.66	520.31	520.62	520.78	519.25	518.87	520.5	519.75	519.94	520.19	520.41
19	520.59	520.66	520.34	520.81	520.62	519.91	518.75	520.44	519.69	519.97	520.28	519.94
20	520.72	520.62	520.41	520.78	520.69	518.91	518.5	520.34	519.66	519.87	520.44	519.97
21	520.84	520.72	520.59	520.69	520.62	518.87	518.28	520.22	519.56	519.69	520.37	519.72
22	520.81	520.72	520.5	520.66	520.5	518.66	518.28	520.12	519.44	519.56	520.41	519.47
23	520.62	520.66	520.53	520.84	520.47	518.37	518.37	520	519.47	519.5	520.47	519.72
24	520.5	520.97	520.37	520.75	520.56	518.38	518.56	520.59	519.5	519.91	520.72	520.31
25	520.47	520.84	520.34	520.59	520.25	518.41	518.87	521	519.53	520.03	520.78	520.75
26	520.37	520.81	520.37	520.62	520	518.34	519.03	520.78	519.53	520.03	520.81	520.78
27	520.28	520.75	520.31	520.59	520.37	518.4	519.06	520.87	519.5	520.12	520.78	520.81
28	520.12	520.66	520.44	520.31	520.72	518.66	519	520.87	519.34	520.5	520.37	520.72
29	520.25	520.84	520.41	520.47	520.78	518.34	519.06	520.81	519.69	520.56	520.41	520.62
30	520.44	--	520.28	520.78	520.72	518.5	519.06	520.94	519.87	520.78	520.41	520.66
31	520.5	--	519.94	--	520.81	--	519.06	520.31	--	520.75	--	520.47

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Inflow for 2000 (cfs)
2000 is 3rd Worst Drought 1974-2009

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,724	5,900	5,347	2,679	4,455	4,221	778	3,307	4,155	722	2,961	4,942
2	1,106	6,031	4,024	1,718	3,884	4,674	703	2,893	1,690	1,906	3,172	2,071
3	3,049	5,660	4,415	11,300	2,485	1,134	1,984	5,354	943	3,000	3,883	994
4	2,995	6,017	2,484	21,108	2,186	893	3,563	4,756	4,222	2,814	873	4,112
5	3,421	1,965	1,399	17,345	3,612	3,384	2,990	1,515	4,757	3,201	674	3,857
6	3,457	1,412	2,890	12,230	2,295	3,395	3,240	695	4,861	3,382	2,804	4,466
7	1,148	3,690	2,716	9,452	1,718	4,082	2,834	4,994	3,468	1,106	3,143	3,679
8	1,749	4,703	3,223	3,239	3,603	3,834	2,909	4,720	2,168	495	3,954	2,588
9	1,834	4,971	2,276	1,965	3,854	3,746	1,051	4,954	884	2,909	4,489	942
10	9,103	5,385	1,779	3,039	4,128	1,821	3,828	4,254	895	2,961	2,085	862
11	5,371	5,661	2,207	2,360	4,398	867	4,548	4,766	1,873	3,012	1,730	2,750
12	3,607	4,296	1,493	1,418	5,392	3,609	4,133	1,516	3,329	2,543	956	3,899
13	2,971	3,689	4,033	1,999	1,141	3,620	5,448	757	2,799	2,465	2,135	3,876
14	2,357	6,060	3,066	5,245	906		3,107	3,068	2,562	1,688	2,462	3,512
15	1,507	5,908	2,446	4,904	1,860	4,480	791	2,697	2,277	622	2,183	3,595
16	1,656	7,045	2,405	2,937	2,053	5,077	1,481	2,562	908	1,823	2,529	3,478
17	2,398	6,924	2,126	2,857	1,430	1,513	1,981	3,162	701	2,540	2,608	3,428
18	3,161	5,949	1,678	2,142	3,241	1,949	2,947	2,304	1,644	1,452	1,342	4,757
19	3,122	3,516	2,464	3,887	2,262	4,579	2,264	1,484	2,391	3,227	2,144	5,104
20	3,007	1,753	7,824	3,311	1,205		2,632	1,044	2,607	2,528	3,584	6,791
21	3,993	3,446	9,007	3,877	1,184		4,049	3,310	2,624	895	4,506	6,144
22	2,942	5,744	11,874	1,321	2,945	4,666	824	3,002	2,919	676	4,805	4,390
23	1,842	4,600	13,765	1,215	3,278	5,487	1,380	4,032	1,116	1,374	4,452	3,703
24	6,092	5,407	8,412	4,721	5,611	1,110	3,546	3,791	887	2,209	5,278	2,603
25	6,047	5,281	2,981	6,015	7,097	787	2,848	4,632	2,210	1,509	2,374	3,772
26	5,285	1,489	2,108	6,560	6,163	3,667	2,745	1,503	1,734	2,757	1,406	6,436
27	6,208	1,432	4,955	6,342	3,481	3,264	2,710	728	2,153	2,370	4,194	4,600
28	5,374	4,779	4,243	5,146	3,012	2,591	2,116	3,322	1,768	1,034	5,550	5,862
29	3,131	4,077	4,247	5,525	3,869	3,240	1,244	4,150	1,604	615	5,987	5,808
30	3,838	--	4,482	4,633	4,726	3,046	866	4,033	1,331	1,932	4,753	2,570
31	6,844	--	5,028	--	4,726	--	3,031	4,083	--	2,583	--	2,540

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Discharge for 2000 (cfs)
2000 is 3rd Worst Drought 1974-2009

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	618	7,096	4,958	1,752	5,083	4,161	1,167	2,320	4,185	1,218	2,393	4,972
2	1,614	6,629	3,964	2,376	4,892	4,345	1,444	3,701	1,780	944	2,693	1,832
3	3,049	5,361	4,535	11,031	2,951	1,224	2,101	4,965	1,183	547	2,956	1,203
4	3,085	5,329	1,228	21,916	2,128	1,192	2,407	4,756	4,371	2,306	1,381	3,663
5	3,391	2,503	1,549	17,435	2,704	4,042	2,033	1,844	4,936	3,560	1,123	4,306
6	3,547	2,698	3,548	13,127	1,308	3,844	2,881	1,203	4,891	2,993	2,416	3,659
7	1,297	3,631	2,806	9,598	2,077	4,498	2,654	4,426	3,708	1,735	3,621	4,217
8	3,213	3,836	2,923	2,226	4,171	3,686	3,686	4,033	2,317	1,124	4,283	2,798
9	1,267	5,330	2,216	1,486	3,525	3,238	1,499	4,895	1,243	2,789	4,040	1,540
10	7,249	4,787	1,839	3,667	4,188	1,193	3,649	5,270	1,344	3,200	2,563	1,490
11	6,777	5,900	2,147	2,449	4,338	1,226	3,591	4,766	2,348	3,012	1,222	3,041
12	2,411	3,099	1,523	3,008	4,794	3,908	5,120	1,486	2,405	2,573	1,225	3,338
13	3,061	3,778	4,661	2,408	1,201	3,830	4,641	1,205	2,082	2,614	3,451	4,291
14	2,417	6,359	2,468	2,319	1,414		3,018	3,367	2,353	1,120	2,432	6,339
15	1,956	5,669	2,536	6,722	2,603	3,732	1,957	2,428	2,636	1,190	2,153	7,653
16	1,506	7,703	3,213	1,717	2,636	6,124	1,481	2,322	1,177	2,355	2,319	6,025
17	2,309	7,044	1,887	2,379	2,421	1,214	2,101	2,445	1,240	1,709	2,070	1,213
18	3,132	5,321	1,110	2,950	1,579	1,202	2,738	2,424	2,417	1,781	1,222	1,333
19	2,703	3,994	1,208	4,690	2,055	4,848	2,204	1,484	2,332	2,390	1,306	2,098
20	3,186	1,753	9,588	2,687	607		2,393	1,493	2,548	2,349	4,183	5,559
21	3,783	4,313	10,872	2,950	1,723		2,973	3,011	2,536	626	3,639	6,024
22	3,600	5,295	9,470	1,621	2,527	4,606	1,601	3,032	2,411	855	5,642	4,659
23	2,111	3,852	13,645	1,544	2,859	5,278	752	3,644	1,206	1,733	5,140	2,896
24	6,242	5,348	9,369	5,169	5,342	1,170	4,563	3,581	1,306	2,059	4,919	2,872
25	5,838	5,161	3,041	5,866	7,485	1,504	2,997	5,499	2,414	2,047	1,536	5,131
26	6,182	1,549	3,207	7,387	5,625	3,877	2,656	1,443	2,405	2,069	1,855	4,210
27	5,311	1,522	3,977	5,634	2,973	3,653	2,681	1,146	1,861	1,951	4,852	5,557
28	4,836	4,240	3,017	4,488	4,178	3,476	2,654	3,831	1,856	1,483	4,803	4,905
29	3,370	5,722	4,934	4,987	4,198	2,890	1,453	3,522	1,808	1,422	5,419	6,166
30	3,330	--	6,145	4,872	4,278	2,062	926	3,525	2,060	2,081	5,561	2,450
31	6,305	--	3,305	--	4,188	--	2,313	3,156	--	2,343	--	2,749

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Minimum Reservoir Elevation for 2000
 2000 is 3rd Worst Drought 1974-2009

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.38	520.09	520.12	520.42	519.93	519.97	520.12	519.85	520.05	519.24	519.86	519.90
2	520.46	520.07	520.02	520.40	519.88	520.31	519.86	519.73	520.64	519.14	520.03	520.38
3	520.20	520.05	520.03	519.75	519.27	520.26	519.50	519.93	520.59	519.61	520.45	520.36
4	520.29	520.15	520.36	520.22	519.72	520.44	519.82	519.85	520.17	520.05	520.64	520.10
5	520.07	520.41	520.68	519.65	519.74	519.95	520.19	520.39	520.03	520.00	520.50	520.08
6	520.41	520.00	520.29	519.38	520.05	519.75	520.56	520.24	519.95	520.14	520.32	520.15
7	520.39	519.66	520.20	519.01	520.20	519.73	520.66	519.73	519.90	520.35	519.98	520.04
8	519.90	519.97	520.22	519.95	519.53	519.48	520.42	519.87	519.95	520.08	519.90	520.29
9	519.93	519.95	520.54	520.29	519.83	519.68	520.29	520.20	520.22	519.84	520.08	520.17
10	520.18	519.83	520.34	519.84	519.75	520.19	519.75	519.60	520.06	519.92	520.32	519.95
11	520.27	520.08	520.54	520.06	519.73	520.21	520.41	519.58	519.52	519.89	520.38	519.51
12	520.33	520.07	520.50	519.62	520.13	519.88	520.34	520.35	519.57	519.86	520.42	519.61
13	520.54	520.24	520.24	519.48	520.31	519.35	520.14	520.19	519.97	519.90	519.83	519.75
14	520.39	519.99	520.07	519.53	520.18	520.11	520.51	519.43	520.05	520.10	519.98	518.80
15	520.44	520.06	520.19	519.76	519.55	520.07	520.27	519.68	520.05	520.08	519.81	517.52
16	520.40	519.90	520.00	519.91	519.36	520.04	520.05	519.85	520.33	519.46	519.78	516.50
17	520.30	519.80	519.90	520.25	519.26	520.30	519.85	519.88	520.13	519.84	519.95	516.61
18	520.30	519.85	520.35	520.11	519.40	520.35	519.73	520.09	519.53	519.83	520.25	517.30
19	520.40	520.45	520.44	519.60	519.72	520.27	519.90	520.36	519.45	519.91	520.33	518.64
20	520.39	520.11	520.37	519.85	520.04	520.44	519.91	520.34	519.49	520.08	520.30	519.68
21	520.35	519.76	519.07	520.15	520.00	520.10	520.09	519.80	519.55	520.43	520.10	519.73
22	520.10	519.80	519.45	520.35	519.65	520.20	520.51	519.77	519.76	520.42	520.04	519.66
23	520.39	520.10	520.27	520.22	519.96	520.27	520.54	519.81	520.03	520.01	519.96	520.05
24	519.81	520.05	519.86	519.87	520.07	520.54	519.86	519.85	519.93	520.00	519.96	520.08
25	520.00	520.20	519.97	519.75	519.72	520.30	519.68	519.65	519.48	519.98	520.31	519.55
26	520.00	520.59	519.78	519.27	520.10	519.93	519.78	520.34	519.27	519.97	520.39	519.77
27	519.73	520.49	519.62	519.55	520.48	519.80	519.80	520.19	519.43	520.12	519.90	520.00
28	520.13	519.88	520.22	519.60	520.05	519.34	519.76	519.19	519.43	520.39	520.00	520.07
29	520.27	519.66	519.80	519.83	519.73	519.43	519.98	519.47	519.34	520.13	520.29	520.22
30	520.29	--	519.60	519.70	519.93	519.96	520.07	519.66	519.41	519.66	520.00	520.29
31	520.17	--	519.71	--	519.92	--	519.60	520.03	--	519.63	--	520.20

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Maximum Reservoir Elevation for 2000
2000 is 3rd Worst Drought 1974-2009

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.77	520.99	520.90	520.90	520.68	520.68	520.45	520.70	520.94	519.60	520.46	520.65
2	520.91	520.91	520.78	520.87	520.60	520.85	520.23	520.89	520.98	519.61	520.73	520.76
3	520.75	520.80	520.70	520.73	520.07	520.89	520.04	520.82	520.88	520.44	520.88	520.54
4	520.92	520.92	520.83	520.92	520.24	520.78	520.26	520.82	520.81	520.70	520.98	520.74
5	520.66	520.92	520.92	520.58	520.44	520.60	520.58	520.90	520.88	520.84	520.83	520.93
6	520.97	520.56	520.88	520.60	520.61	520.65	520.83	520.56	520.83	520.90	520.66	520.73
7	520.60	520.56	520.92	520.24	520.60	520.46	520.87	520.47	520.85	520.86	520.86	520.86
8	520.77	520.88	520.80	520.50	520.48	520.13	520.88	520.70	520.58	520.44	520.73	520.71
9	520.18	520.60	520.85	520.60	520.56	520.26	520.71	520.97	520.56	520.42	520.74	520.49
10	520.87	520.66	520.81	520.51	520.48	520.58	520.41	520.90	520.43	520.49	520.86	520.29
11	520.80	520.94	520.90	520.48	520.70	520.58	520.93	520.71	520.22	520.43	520.85	520.07
12	520.73	520.95	520.71	520.29	520.70	520.41	520.92	520.75	520.27	520.35	520.74	520.19
13	520.92	520.93	520.75	519.94	520.60	520.37	520.67	520.53	520.51	520.41	520.51	520.63
14	520.76	520.87	520.65	520.52	520.48	520.53	520.90	520.36	520.69	520.58	520.46	520.12
15	520.76	520.82	520.73	520.90	520.34	520.65	520.83	520.33	520.80	520.44	520.36	519.11
16	520.60	520.99	520.70	520.46	520.14	520.93	520.46	520.44	520.64	520.16	520.36	517.83
17	520.72	520.77	520.41	520.83	519.94	520.68	520.46	520.55	520.49	520.27	520.52	517.47
18	520.83	520.97	520.56	520.97	519.97	520.65	520.48	520.73	520.31	520.41	520.53	518.64
19	520.78	520.94	520.97	520.61	520.16	520.75	520.54	520.77	520.17	520.46	520.76	519.68
20	520.90	520.61	520.99	520.61	520.34	520.90	520.60	520.75	520.12	520.64	520.98	520.68
21	520.88	520.66	520.55	520.83	520.31	520.73	520.80	520.56	520.22	520.64	520.73	520.63
22	520.87	520.68	520.56	520.60	520.20	520.92	520.94	520.68	520.29	520.66	520.90	520.44
23	520.78	520.75	520.81	520.46	520.48	520.90	520.75	520.78	520.34	520.59	520.74	520.63
24	520.61	520.87	520.68	520.38	520.58	520.87	520.94	520.88	520.29	520.70	520.69	520.54
25	520.93	520.93	520.61	520.61	520.99	520.73	520.58	520.91	520.14	520.68	520.91	520.45
26	520.88	520.83	520.51	520.56	520.81	520.46	520.51	520.70	520.09	520.66	520.85	520.78
27	520.58	520.75	520.31	520.21	520.87	520.46	520.54	520.50	519.95	520.73	520.76	520.91
28	520.88	520.80	520.68	520.43	520.90	520.31	520.54	520.34	519.95	520.81	520.74	520.86
29	520.93	520.93	520.96	520.75	520.50	520.24	520.41	520.33	519.94	520.56	520.92	520.97
30	520.87	--	520.85	520.75	520.50	520.36	520.33	520.61	520.02	520.27	520.88	520.66
31	520.99	--	520.42	--	520.66	--	520.37	520.76	--	520.29	--	520.63

-- Not a valid date

Blanks represent missing plant or gage data.

ATTACHMENT E

Daily Flow and Reservoir Elevation Tables for Other Years in Period 1997-2009

Attachment E

**Bartletts Ferry Reservoir
Daily Inflow for 1997 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4,372	8,788	30,075	8,663	15,633	6,185	12,878	3,962	6,770	3,997	4,079	10,514
2	5,423	5,791	42,378	6,295	10,629	5,608	10,378	2,939	6,052	5,129	2,249	9,238
3	4,735	9,759	48,177	7,144	4,618	11,295	8,114	2,649	6,215	4,083	4,645	9,330
4	5,657	10,106	32,882	6,383	2,539	9,205	8,036	4,727	7,901	1,549		10,852
5	3,010	9,861	21,258	2,390	10,036	10,435	5,109		6,162	2,417		9,041
6	6,952	10,947	17,931		13,688	8,851	4,466	5,488	3,646	3,969	5,704	2,960
7	6,998	10,537	16,424	4,076	12,621	5,671	5,744	5,541	3,968	6,205	5,855	1,324
8	9,572	8,439	16,246	4,754	8,621	5,788	6,527	4,203	7,616	5,572	2,861	7,568
9	15,131	6,133	14,879	6,641	9,436	4,859	5,386	1,222	8,234	6,056	2,570	8,090
10	12,085	8,974	13,345	4,607	4,904	4,979	5,903	1,185	9,837	5,158	4,230	7,977
11	12,930	9,349	12,713	4,984	2,661	4,726	6,026	5,407	9,318	1,346	7,139	7,674
12	8,689	10,166	12,828	3,028	5,492	4,231	1,687	3,823	8,820	992	8,734	8,130
13	9,833	13,235	9,247	2,015	8,126	4,706	1,222	4,813	5,307	2,463	7,175	2,261
14	10,540	17,517	9,611	8,258	6,197	1,779	3,531	5,278	4,352	4,654	9,946	3,559
15	8,186	20,459	3,754	7,733	6,655	1,465	7,173	4,669	6,988	5,144	8,686	10,493
16	9,161	19,923	2,396	6,794	7,546	7,888	5,522	1,344	9,023	4,970	5,723	8,987
17	5,745	16,334	10,960	8,552	1,403	11,575	6,703	2,603	8,998	4,851	9,126	6,540
18	6,021	14,286	17,524	7,683	1,265	10,556	5,231	5,938	8,141	3,213	10,023	7,249
19	5,728		12,388	3,258	5,463	13,823	1,903	4,599	9,397	1,894	10,104	8,176
20	7,880	12,856	13,859	1,398	6,730	12,445	1,412	5,840	1,989	5,031	10,930	2,603
21	6,014	17,091	12,906	3,885	7,782	9,711	6,744	4,988	868	4,759	9,947	1,726
22	4,056	13,289	7,421	7,172	6,221	8,310	6,614	6,252	6,961	5,841	4,272	6,438
23	8,456	11,504	7,272	6,093	5,059	9,346	8,714	1,248	7,399	6,088	2,366	8,722
24	10,509	14,277	8,080	6,471	2,668	8,511	11,328	834	8,205	6,629	6,803	29,030
25	6,011	14,545	8,977	6,251	1,362	8,458	10,645	5,732	8,384	4,182	11,226	25,977
26	8,048	10,922	5,862	5,255	5,575	12,492	11,017	6,886	5,834	5,926	13,258	19,304
27	6,461	11,390	6,394	12,933	6,032	11,647	9,009	6,889	3,243	7,967	11,721	16,988
28		18,610	5,760	25,423	7,597	6,587	7,550	6,060	2,784	6,624	7,839	14,131
29	11,353	--	2,275	19,861	6,197	10,476	5,960	7,217	3,678	4,478	7,694	16,688
30	11,824	--	1,963	18,734	6,793	13,616	5,451	5,942	5,042	4,748	8,953	12,706
31	13,665	--	2,217	--	3,135	--	3,898	3,805	--	4,018	--	12,280

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Discharge for 1997 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5,449	9,177	28,866	5,474	14,437	7,681	12,264	3,603	7,099	4,326	1,523	10,634
2	4,645	7,388	45,561	5,816	12,543	6,804	8,972	1,473	6,351	5,458	3,362	8,879
3	5,303	9,351	47,041	7,114	3,242	10,786	8,263	4,533	6,035	3,485	4,790	9,659
4	6,285	9,815	34,463	6,413	1,642	10,180	7,468	5,145	7,452	2,087		8,848
5	1,904	10,561	20,544	2,091	12,698	9,370	4,630		6,820	2,836		10,387
6	6,354	8,991	18,439		12,821	10,208	5,184	5,458	3,616	3,790	5,281	4,552
7	8,583	10,746	16,950	4,046	12,352	3,328	6,133	5,661	3,879	7,248	5,019	915
8	9,752	6,824	14,074	6,010	9,100	6,685	5,989	4,826	7,287	6,301	2,595	7,364
9	13,666	8,466	14,071	6,461	9,615	5,751	5,984	748	10,578	5,414	2,522	7,409
10	17,225	9,478	14,601	5,501	2,930	5,329	6,083	886	9,720	5,041	7,167	7,917
11	15,652	8,516	11,397	4,300	3,768	3,484	6,115	6,005	8,939	930	7,092	7,943
12	5,825	11,903	13,097	2,968	7,656	4,769	2,106	4,115	7,510	1,875	7,017	7,263
13	10,202	14,372	11,102	1,626	7,397	2,672	1,192	4,667	4,948	8,690	6,486	2,022
14	7,669	13,835	9,312	8,318	6,018	1,719	3,322	4,445	5,189	8,716	10,092	4,217
15	7,485	19,561	2,528	7,883	6,416	1,226	6,574	4,460	8,344	9,066	8,807	8,997
16	7,665	23,015	2,845	7,452	6,231	12,499	6,838	896	8,644	10,663	5,336	10,333
17	5,775	13,811	11,737	8,462	1,493	11,604	5,716	2,842	8,648	8,026	7,626	7,138
18	6,888	13,359	16,238	8,913	906	10,322	5,799	5,430	8,023	2,037	6,698	7,369
19	6,823		14,859	2,529	6,660	10,911	1,215	4,479	8,500	5,266	6,017	7,937
20	7,323	15,208	14,034		7,239	11,159	2,986	5,302	942	2,647	6,726	929
21	5,625	14,559	12,352	5,313	6,796	11,865	7,182	5,168	1,197	3,700	5,142	1,487
22	5,031	13,797	6,406	7,376	5,593	7,802	8,072	6,850	7,947	5,488	2,116	8,292
23	8,048	11,444	7,601	4,641	6,315	9,137	8,947	919	7,429	5,947	2,103	6,867
24	8,148	13,200	6,883	6,172	1,531	8,750	9,724	1,043	7,607	6,370	6,978	29,179
25	7,685	14,814	10,233	5,384	1,542	8,757	10,645	6,390	7,906	5,005	11,926	29,440
26	8,108	11,610	6,664	6,361	6,622	11,804	8,948	6,467	5,535	5,597	12,675	18,925
27	8,167	11,719	4,396	11,527	5,912	12,693	8,979	6,590	3,333	6,879	8,334	18,271
28		16,636	5,790	25,991	7,417	4,525	8,657	6,389	2,934	5,584	10,497	13,373
29	10,277	--	2,126	24,687	6,706	9,579	5,841	6,978	4,127	6,301	7,577	15,082
30	11,615	--	2,382	14,566	6,644	17,071	4,405	5,583	4,684	4,959	8,805	13,115
31	14,233	--	6,453	--	922	--	3,928	3,925	--	3,548	--	11,242

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Minimum Reservoir Elevation for 1997

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	519.57	519.80	520.21	519.24	519.79	519.78	519.34	520.32	519.69	519.74	511.88	519.48
2	519.99	519.66	520.06	519.80	519.29	519.84	519.86	520.51	520.03	519.79	512.32	519.70
3	519.73	519.10	520.10	520.00	520.15	519.93	519.57	520.31	520.02	519.65	511.50	519.61
4	519.54	519.22	519.95	520.12	520.61	519.17	519.84	519.61	519.55	520.30	511.36	519.66
5	520.15	519.10	519.90	520.28	519.44	519.22	520.32	519.80	519.85	519.76	511.40	519.99
6	519.97	519.68	519.78	520.40	519.92	519.07	520.20	519.53	519.87	519.45	511.43	519.69
7	519.55	519.58	519.34	519.83	519.87	519.74	519.57	519.75	520.20	519.42	511.73	519.53
8	520.07	520.00	519.45	519.48	519.48	520.07	519.78	519.50	519.68	518.56	512.18	519.14
9	520.13	520.11	519.85	519.62	519.29	519.53	519.80	519.94	519.39	519.06	512.20	519.62
10	518.72	519.36	520.31	519.50	520.18	519.53	519.71	520.06	518.84	519.31	510.50	519.81
11	517.88	519.58	520.05	519.31	520.15	519.51	519.60	519.52	518.92	519.96	510.15	519.75
12	517.85	519.49	520.20	520.09	519.28	519.65	520.10	519.31	519.00	519.75	511.00	519.85
13	517.74	519.00	520.02	520.20	519.50	520.00	520.10	519.13	519.81	517.19	511.04	520.30
14	518.79	519.24	519.93	519.91	519.23	520.65	520.09	519.78	519.53	515.64	511.97	519.92
15	519.27	520.35	520.22	519.79	519.13	520.69	519.66	519.77	519.01	514.08	512.00	520.21
16	519.76	519.61	520.38	519.25	519.88	519.23	519.44	520.30	518.82	512.34	511.50	519.49
17	519.89	519.75	520.05	519.45	520.45	519.00	519.92	519.80	519.01	510.30	512.06	519.38
18	519.86	520.10	520.00	519.19	520.54	518.19	519.32	519.97	518.83	511.00	512.78	519.30
19	519.82	520.46	519.46	519.65	519.43	519.34	520.15	520.40	519.24	510.04	514.12	519.84
20	519.23	519.15	519.32	519.90	519.48	519.90	519.69	520.58	520.33	510.04	515.53	520.10
21	519.77	519.46	519.45	519.41	519.92	519.35	518.91	520.56	520.51	510.82	517.13	520.63
22	519.16	519.57	519.35	519.48	519.74	518.67	518.54	520.16	519.63	511.04	518.97	519.73
23	519.44	519.75	519.71	519.43	519.69	519.30	518.70	520.50	519.26	511.34	519.50	520.07
24	519.92	520.09	519.81	519.63	520.21	519.22	519.03	520.45	519.65	511.51	518.89	520.59
25	519.85	520.02	519.37	520.26	520.44	519.05	518.61	519.64	520.03	511.33	518.86	518.79
26	519.48	519.78	519.01	520.03	519.78	519.76	519.67	520.01	520.14	511.30	519.13	519.52
27	519.41	519.75	519.89	519.85	519.54	519.12	519.73	519.62	520.24	511.64	519.43	518.90
28	519.34	520.10	519.87	520.61	519.74	519.98	519.34	519.64	520.28	511.47	519.16	519.14
29	519.95	--	520.53	518.50	519.43	520.36	519.03	519.65	519.89	511.29	519.51	519.16
30	519.71	--	520.38	518.97	519.43	519.22	519.94	520.40	519.76	511.31	519.78	519.47
31	520.05	--	519.19	--	520.16	--	520.15	520.16	--	511.30	--	519.88

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Maximum Reservoir Elevation for 1997

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.96	520.89	521.17	520.51	520.79	520.96	520.52	520.75	520.77	520.74	512.94	520.61
2	520.87	520.60	521.16	520.69	520.85	520.75	520.81	521.00	520.82	520.69	513.04	520.48
3	520.99	519.92	520.58	520.70	520.95	520.97	520.76	521.00	520.75	520.56	512.98	520.48
4	520.68	520.38	520.58	520.85	520.99	520.49	520.77	520.57	520.74	520.85	513.02	520.68
5	520.83	520.47	520.22	520.63	520.99	520.44	520.92	520.50	520.97	520.54	512.97	520.95
6	520.72	520.79	520.26	520.77	520.78	520.67	520.91	520.43	520.59	520.43	512.63	520.71
7	520.98	521.00	520.22	520.77	520.80	520.61	520.69	520.48	520.64	520.52	512.95	519.83
8	520.92	520.89	520.57	521.00	520.85	520.80	520.80	520.40	520.57	520.17	512.99	519.94
9	520.70	521.00	520.84	520.89	520.74	520.50	520.96	520.20	520.56	520.30	513.07	520.47
10	520.62	520.48	521.07	520.55	520.88	520.22	520.78	520.28	520.10	520.33	512.45	520.77
11	519.05	520.55	520.86	520.29	521.03	520.23	520.73	520.38	520.12	520.28	512.24	520.78
12	518.92	520.73	520.96	520.93	520.80	520.51	520.65	520.30	520.36	520.29	512.17	520.70
13	519.27	520.05	520.92	520.64	520.50	520.73	520.38	520.29	520.78	519.86	512.60	520.87
14	519.81	520.49	520.65	520.96	520.39	520.86	520.40	520.32	520.76	517.96	513.18	520.85
15	520.25	520.79	520.75	520.77	520.55	520.85	520.45	520.49	520.36	516.55	513.44	520.80
16	520.64	520.83	520.90	520.69	520.62	520.92	520.97	520.57	520.16	515.15	512.80	520.90
17	520.87	520.60	520.66	520.78	520.85	519.91	520.34	520.63	520.30	512.81	513.43	520.81
18	520.90	520.91	520.68	520.81	520.78	519.53	520.78	520.75	520.30	511.94	514.23	520.65
19	520.88	520.99	520.74	520.54	520.78	520.50	520.60	520.76	520.55	512.21	515.70	520.80
20	520.25	520.41	520.35	520.37	520.77	520.80	520.53	520.96	520.87	511.27	517.26	520.77
21	520.45	520.32	520.05	520.47	520.73	520.87	520.15	520.79	520.80	511.91	518.97	520.98
22	520.40	520.80	520.74	520.42	520.80	520.54	520.15	520.90	520.65	512.41	519.85	520.95
23	520.18	520.90	521.01	520.31	520.97	520.60	520.04	520.78	520.53	512.54	520.12	520.80
24	520.77	520.76	520.76	520.84	520.86	520.70	519.77	520.76	520.56	512.48	520.08	521.03
25	520.99	520.79	520.99	520.92	520.85	520.51	520.01	520.68	520.70	512.96	520.34	520.69
26	520.60	520.85	520.78	521.01	520.72	520.79	520.57	520.64	520.95	512.58	520.28	520.48
27	520.80	520.86	520.71	520.80	520.74	520.55	520.67	520.70	520.98	512.87	520.47	519.78
28	519.91	520.95	520.92	520.99	520.93	520.90	520.66	520.82	520.99	513.03	520.15	519.99
29	520.73	--	520.93	520.61	520.52	520.97	520.38	520.73	520.83	513.06	520.48	520.02
30	520.97	--	520.96	520.39	520.47	520.99	520.49	520.88	520.85	512.80	520.69	520.11
31	520.99	--	520.61	--	520.90	--	520.58	520.84	--	512.39	--	520.62

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Inflow for 1998 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13,196	12,523	17,330	4,721	7,237	9,055	6,746	1,333	6,409	3,394	740	5,282
2	12,768	13,205	17,678	4,851	7,290	10,096	7,071	1,012	6,183	3,118	1,990	4,206
3	11,995	21,448	16,599	9,119	5,785	10,053	7,346	4,799	6,367	1,322	1,057	4,902
4	7,486	29,663	16,690	12,216	9,964	9,575	1,435	6,205	3,861	902	1,750	4,752
5	8,026	34,377	16,638		11,103	10,198	957	5,269	2,692	1,933	2,573	2,009
6	8,841	38,634	17,497	15,761	10,596	2,223	7,750	6,604	1,110	2,102	2,143	996
7	11,793	35,834	17,941	13,596	15,939	1,624	8,246	6,402	3,377	2,848	1,428	4,845
8	13,981	22,209	46,569	16,074	13,065	5,861	7,405	2,742	6,243	2,315	727	3,825
9	14,159	21,165	67,950	15,329	12,855	8,321	6,357	1,752	4,697	2,493	3,182	2,894
10	12,164	21,130	55,847	16,489	15,386	6,529	7,137	5,024	4,463	1,736	5,604	2,992
11	11,168	21,849	45,504	15,344	14,400	6,521	4,386	7,318	4,268	838	5,793	2,321
12	11,150		36,498	14,180	14,800	6,289	4,097	4,851	975	1,970	5,676	1,139
13	11,044		24,426	12,184	14,433	2,167	6,257	6,002	1,938	1,815	5,630	1,287
14	11,277		21,084	17,525	13,947	1,175	7,596	4,842	4,410	2,214	2,262	2,216
15	12,005	22,064	21,006	20,734	13,734	6,060	7,405	1,943	5,240	2,414	1,144	2,152
16	12,762	13,750	20,674	18,406	9,657	6,512	6,685	1,323	5,916	2,016	5,437	2,445
17	12,167	14,515	20,988	15,997	7,982	6,676	7,526	4,774	3,898	1,455	5,152	2,202
18	10,258	16,822	21,150	13,133	6,705	6,360	2,072	7,009	3,796	836	5,353	3,095
19	15,260	15,728	21,153	17,377	7,818	6,876	1,124	6,595	1,733	1,932	5,267	1,836
20	12,815	17,258	21,666	16,705	4,707	2,428	5,578	9,011	1,912	1,774	5,720	1,570
21	12,970	16,839	21,866	14,943	4,726	1,536	5,623	8,175	5,234	1,686	3,580	4,133
22	18,115		17,691	15,179	4,349	6,140	6,044	1,228	4,839	2,339	2,877	4,883
23	17,649		17,563	16,420	1,650		5,470	873	3,946	2,523	5,358	5,119
24	16,424	17,504	12,582	16,235	3,562		5,650	4,449	4,660	643	6,092	5,545
25	12,779	16,045	10,407	10,279	4,968	7,260	2,131	5,804	4,594	716	6,512	5,656
26	15,191	17,079	8,747	8,425	5,482	8,003	1,143	5,275	1,621	905	6,318	4,560
27	13,731	20,431	9,411	13,273	7,192	1,464	5,225	5,034	1,279	2,723	5,756	4,276
28	15,613	18,875	3,079	16,603	9,775	1,012	4,523	7,644	3,638	1,582	2,109	6,170
29	14,729	--	2,057	11,276	9,326	6,535	6,736	1,629	6,426	2,971	913	6,359
30	14,734	--	5,233	7,802	6,480	7,415	7,052	2,116	6,962	2,136	3,929	6,096
31	12,530	--	4,753	--	6,674	--	5,540	6,237	--	1,234	--	6,629

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Discharge for 1998 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14,263	14,228	19,289	3,913	7,030	10,132	6,804	1,273	5,661	3,275	1,159	4,348
2	12,972	12,995	16,453	5,569	5,675	9,737	5,522	1,819	8,950	2,879	1,720	4,352
3	11,616	21,059	17,007	9,807	7,519	10,203	5,432	4,500	5,959	1,113	2,493	4,873
4	6,086	28,826	16,456	9,674	9,216	10,601	2,243	5,667	2,400	1,201	2,045	4,128
5	9,043	34,826	16,550		11,909	8,573	2,184	5,149	2,542	1,634	1,919	1,351
6	9,721	38,424	16,675	17,167	10,801	1,206	5,866	6,185	1,498	1,744	2,502	1,175
7	11,003	37,568	17,224	15,594	15,880	1,534	7,349	7,120	3,796	2,908	1,898	4,935
8	13,742	22,089	45,014	14,554	14,611	7,147	7,256	1,187	5,914	1,717	2,098	2,419
9	13,830	21,255	68,219	16,411	11,134	8,052	6,985	2,888	4,517	2,105	4,691	3,433
10	13,288	20,622	57,761	15,108	13,473	7,067	7,137	4,994	4,134	1,945	4,620	3,770
11	9,625	22,623	43,470	15,524	15,387	6,790	5,193	6,511	4,627	1,137	5,151	1,543
12	12,196		41,543	14,945	14,650	6,467	3,977	5,658	1,484	2,030	4,539	1,289
13	10,805		22,238	13,409	14,762	883	5,150	5,942	1,370	1,396	4,445	2,154
14	11,367		18,884	13,024	14,781	905	8,373	6,099	3,842	3,022	1,903	1,618
15	12,563	21,167	21,574	22,708	13,792	5,791	8,183	1,494	4,881	2,025	1,922	1,883
16	11,875	18,983	22,422	18,137	9,183	8,127	6,596	1,173	5,826	2,016	4,659	2,385
17	10,851	9,702	20,842	16,266	7,743	6,796	6,689	5,073	4,556	1,156	5,930	2,531
18	9,989	17,749	20,026	13,162	8,235	6,623	3,478	6,500	3,796	1,225	5,532	2,467
19	15,260	15,100	20,645	15,463	7,060	6,788	3,854	6,744	1,224	1,215	4,968	1,806
20	13,742	15,673	21,576	18,080	5,611	907	4,295	8,682	1,673	2,343	5,481	1,211
21	13,179	17,646	21,178	16,462	3,559	908	4,236	8,175	5,772	1,387	2,802	4,940
22	18,115		18,049	15,354	2,973	8,025	5,685	1,258	5,706	2,398	3,146	5,212
23	16,363		17,234	15,383	2,397		4,991	1,262	4,842	2,164	6,106	4,880
24	16,693	17,564	13,779	15,368	2,515		5,770	4,957	4,212	1,151	6,628	6,532
25	15,249	17,211	9,390	10,698	4,878	7,027	1,234	5,236	4,504	2,062	6,891	4,818
26	15,424	17,079	8,806	7,708	5,901	7,390	2,369	5,245	1,621	1,170	6,202	4,320
27	13,089	19,175	9,351	13,632	9,093	638	4,507	5,662	1,787	2,009	5,287	4,186
28	13,372	21,507	2,989	18,593	10,095	802	5,002	6,568	5,708	1,971	1,840	6,798
29	14,550	--	2,117	13,404	9,880	7,571	6,497	1,988	7,155	1,715	1,564	6,479
30	14,195	--	6,041	5,206	4,542	8,319	7,171	860	4,133	1,956	4,658	6,186
31	13,098	--	4,783	--	6,105	--	5,600	7,313	--	1,114	--	6,420

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Minimum Reservoir Elevation for 1998

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	519.58	519.74	518.96	519.84	519.03	518.59	518.54	520.40	519.79	519.54	520.40	519.57
2	519.21	519.61	518.86	520.12	519.82	519.53	519.09	520.13	519.56	519.64	520.25	519.46
3	519.51	520.02	518.80	519.55	519.62	519.25	519.97	519.35	518.75	520.13	520.05	519.52
4	519.93	520.25	518.87	520.10	519.45	518.86	520.37	519.57	519.73	520.00	519.73	519.64
5	519.70	520.05	518.98	520.09	519.15	519.41	519.94	519.77	520.06	519.82	519.86	520.15
6	519.66	520.45	519.06	519.58	519.34	520.28	519.29	519.74	520.30	520.08	519.89	520.27
7	519.31	520.00	519.26	518.74	519.10	520.56	519.72	519.80	519.68	520.30	519.89	519.70
8	519.85	520.02	520.31	519.14	518.62	519.72	520.15	520.42	519.31	520.30	519.42	520.07
9	520.11	519.99	520.69	518.74	519.23	519.73	520.12	520.56	519.70	520.42	518.51	520.02
10	519.84	520.03	519.92	519.33	519.51	519.52	519.83	519.76	519.68	520.49	518.80	520.21
11	519.83	519.94	519.95	519.45	519.60	519.45	520.09	520.03	519.97	520.41	519.01	520.31
12	519.95	519.94	519.07	519.28	519.48	519.26	519.77	519.89	520.15	520.12	519.24	520.46
13	519.88	520.25	518.28	518.91	519.41	519.98	519.97	519.94	520.00	520.35	519.80	520.17
14	520.00	520.37	519.82	519.40	519.18	520.41	520.29	519.69	519.70	519.90	520.25	520.04
15	519.39	520.37	520.37	519.72	519.18	519.89	520.03	520.14	519.80	520.10	520.02	520.14
16	519.41	518.69	519.78	519.45	519.65	519.46	519.56	520.30	520.27	520.20	519.81	520.19
17	519.72	518.82	519.70	519.23	519.70	519.36	519.72	519.39	520.01	520.44	519.94	520.06
18	520.08	519.08	519.83	519.94	518.59	519.23	520.22	519.60	520.05	520.37	519.67	520.43
19	519.32	519.75	520.21	519.94	518.87	519.25	519.28	519.86	520.44	520.41	519.72	520.40
20	519.16	519.86	520.28	519.95	518.80	519.95	518.72	520.14	520.67	520.08	519.93	520.51
21	519.34	519.88	520.37	519.82	519.38	520.46	519.29	519.81	520.35	520.28	520.16	520.00
22	519.80	519.70	519.86	519.23	519.89	519.45	519.69	520.44	519.64	520.30	520.10	519.91
23	519.37	519.93	519.83	519.40	520.15	519.26	519.91	520.32	519.34	520.42	519.84	519.87
24	519.71	519.99	519.75	519.73	520.21	518.91	519.74	519.34	519.41	520.41	519.77	519.59
25	519.44	519.72	520.14	520.34	520.19	518.57	520.46	519.58	519.48	519.78	519.42	519.87
26	518.60	519.58	520.09	520.09	520.22	518.96	520.28	519.54	520.03	519.88	519.49	519.94
27	518.87	520.05	520.11	519.73	519.60	519.85	519.86	519.46	519.95	519.92	519.54	520.01
28	519.35	519.51	520.53	519.65	518.94	520.13	520.28	519.46	519.24	519.85	520.03	519.93
29	519.56	--	520.46	518.72	518.60	519.21	519.71	520.22	518.43	520.06	519.84	519.85
30	519.84	--	520.22	519.08	519.15	518.87	519.98	520.42	519.04	520.20	519.23	519.77
31	519.97	--	519.38	--	519.80	--	519.55	520.17	--	520.47	--	519.74

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Maximum Reservoir Elevation for 1998

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.53	520.77	520.11	520.67	520.63	520.67	519.77	520.75	520.73	520.44	520.75	520.53
2	520.31	520.34	519.82	520.95	520.63	520.70	520.05	520.60	520.95	520.38	520.54	520.65
3	520.48	520.80	519.83	520.75	520.67	520.70	520.69	520.30	519.94	520.43	520.54	520.67
4	520.70	520.94	519.78	520.99	520.81	520.57	520.96	520.49	520.43	520.37	520.05	520.38
5	520.75	520.68	519.90	520.95	520.70	520.45	520.57	520.71	520.61	520.28	520.17	520.67
6	520.39	520.80	520.07	520.68	520.28	520.77	520.64	520.74	520.73	520.58	520.17	520.57
7	520.03	520.94	520.31	520.23	519.95	520.92	520.94	520.87	520.42	520.65	520.18	520.40
8	520.16	520.76	521.00	520.04	519.99	520.81	520.99	520.94	520.39	520.80	519.89	520.75
9	520.43	520.06	520.92	520.06	519.99	520.62	520.99	520.98	520.60	520.88	519.52	520.94
10	520.46	520.21	520.74	520.14	520.63	520.55	520.78	520.69	520.59	520.95	519.64	520.89
11	520.54	520.23	520.81	520.23	520.70	520.41	520.93	520.89	520.71	520.75	519.92	520.87
12	520.81	520.23	520.90	520.24	520.45	520.33	520.58	520.87	520.58	520.65	520.03	520.79
13	520.28	520.48	519.82	520.14	520.48	520.58	520.92	520.87	520.39	520.75	520.62	520.67
14	520.21	520.58	520.63	520.92	520.40	520.65	521.00	520.72	520.58	520.78	520.74	520.47
15	520.27	520.67	520.56	520.92	520.19	520.63	520.77	520.40	520.81	520.55	520.49	520.57
16	520.17	520.75	520.56	520.43	520.65	520.67	520.43	520.59	520.94	520.76	520.50	520.69
17	520.61	520.53	519.97	520.50	520.60	520.43	520.71	520.47	520.87	520.81	520.90	520.74
18	520.84	520.53	520.30	520.40	520.40	520.33	520.98	520.45	520.76	520.73	520.88	520.91
19	520.70	520.49	520.53	520.89	520.28	520.33	520.38	520.64	520.76	520.69	520.80	520.72
20	520.70	520.96	520.64	520.89	520.30	520.52	519.75	520.57	520.90	520.65	520.98	520.84
21	520.47	520.96	520.86	520.63	520.01	520.78	520.22	520.61	520.96	520.69	520.82	520.90
22	520.51	520.73	520.64	520.27	520.47	520.86	520.38	520.80	520.80	520.90	520.96	520.91
23	520.75	520.94	520.63	520.21	520.82	520.40	520.54	520.68	520.54	520.76	520.94	520.71
24	520.85	520.94	520.70	520.50	520.57	520.18	520.65	520.43	520.27	520.71	520.92	520.77
25	520.71	520.92	520.89	520.85	520.84	519.82	520.79	520.44	520.41	520.59	520.51	520.48
26	519.85	520.58	520.82	520.78	520.87	520.13	520.87	520.56	520.47	520.20	520.34	520.74
27	519.97	520.99	520.95	520.60	520.65	520.21	520.59	520.58	520.44	520.26	520.32	520.77
28	520.72	520.95	520.99	520.82	520.28	520.35	520.89	520.54	520.09	520.22	520.62	520.82
29	520.78	--	520.94	520.38	520.13	520.32	520.62	520.78	519.29	520.58	520.34	520.79
30	520.96	--	520.89	520.19	520.25	520.08	520.77	520.84	520.01	520.76	520.37	520.68
31	520.96	--	520.45	--	520.80	--	520.64	520.98	--	520.86	--	520.63

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Inflow for 1999 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5,433	12,022	5,375	5,274	1,327	5,483	2,942	4,068	3,827	4,382		2,222
2	4,925	10,580	5,108	4,561	1,245	6,153	2,874	7,105	3,298	1,312	2,559	3,200
3	4,715	8,449	5,478	4,327	1,282	6,299		6,202	3,230		2,245	3,063
4	5,418	7,422	6,741	2,308	2,015	6,217		6,377	862		2,024	1,685
5	5,876	8,058	6,697	5,485	2,267	1,454		5,665	763	2,735	2,009	1,483
6	5,074	5,126	2,625	4,314	2,003	931	3,440	5,764	2,715	3,823	1,038	3,109
7	5,696	3,852	1,709	2,919	2,286	6,727	4,786	3,973	3,819	873	1,042	4,209
8	6,265	6,888	4,336		1,908	8,180	2,857	2,522	4,966	1,738	2,198	4,075
9	3,660	9,029	4,062	3,349	1,713	9,566	2,442	6,638	4,640	2,986	2,335	3,728
10	4,558	7,610	4,048	3,581	2,077	9,346	1,536	5,085	4,845	3,971	1,485	2,346
11	5,341	8,291	3,795	2,549	1,452	8,716	1,272	6,586	996	4,599	2,140	1,544
12	6,040	7,676	3,969	4,047	1,917	4,753	5,281	7,341	760	2,407		1,397
13	6,977	4,614	2,072	2,687	1,342	3,110	3,880	5,946	3,475	2,332		2,928
14	5,205	4,420	4,301	2,574	2,044	8,396	2,807	2,818	3,533	2,072		2,277
15	4,431	6,932	4,375	3,410	1,375	10,262	2,553		2,820			2,994
16	3,672	6,558	5,293	3,508	1,206	7,079	2,177		2,955			2,772
17	2,021	6,468	3,895	2,112	1,332	8,499	2,040	5,746	4,313	1,472		2,892
18	4,453	6,271	3,507	1,266	1,872	2,799	1,958	4,012	1,303	1,809		1,954
19	5,046	7,496	3,298	1,363	2,171	1,337	3,580	4,535	666	2,083		1,695
20	3,387	2,565	1,914	3,860	1,231	1,897	2,704	4,997	3,640	2,134	1,950	3,073
21	3,263	1,632	1,734	2,086	1,909	3,131	3,737	1,480	4,267	2,360	1,267	4,159
22	3,194	4,999	3,035	2,845	1,288	2,845	4,779	941	3,785	1,558	2,519	3,954
23	3,568	5,467	3,869	3,207	1,115	2,953	3,234	3,794	4,350	1,832	1,807	2,164
24	3,596	3,978	2,998	2,630	1,505	3,457	3,272	6,102	4,389	1,028	1,853	1,349
25	4,783	3,283	3,735	2,885	1,971	3,885	3,764	3,760	1,401	1,540	2,220	1,410
26	3,223	4,106	4,012	2,531	1,920	1,843	3,704	4,119	2,242	3,097	1,981	1,253
27	4,583	1,518	2,742	3,214	1,388	2,192	3,925	3,619	4,595	1,003	2,497	3,177
28	3,758	1,640	2,338	2,502	2,486	8,622	3,307	1,084	4,618	2,198	2,365	3,175
29	2,491	--	4,415	2,281	2,100	4,903	4,629	966	4,220	2,306		3,962
30	2,848	--	4,940	1,423	1,960	3,283	3,384	1,975	4,033	2,558	2,815	3,119
31	7,217	--	4,440	--	4,266	--	3,030	3,858	--	1,258	--	2,055

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Discharge for 1999 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6,536	10,380	5,225	4,765	1,596	3,699	2,702	2,154	3,947	5,189		1,512
2	3,703	10,521	4,928	4,860	1,275	5,554	1,857	7,583	3,059	1,611	2,414	1,224
3	4,087	10,209	6,725	4,177	2,280	6,898		6,561	2,872		1,979	1,478
4	4,969	8,909	7,616	2,398	1,840	5,469		6,198	1,220		1,855	1,835
5	6,594	7,533	6,406	6,562	1,684	1,813		6,473	1,541	5,832	1,308	616
6	4,925	2,763	2,421	4,344	1,584	1,290	4,278	5,106	2,386	6,697	1,497	3,438
7	5,547	3,373	2,496	3,129	1,837	7,355	2,603	3,674	3,042	6,928	1,526	4,957
8	5,607	7,187	6,020		1,849	8,987	3,844	2,881	5,206	2,962	578	3,597
9	5,454	10,136	4,005	3,110	1,922	9,537	2,203	6,877	5,118	2,560	2,673	2,502
10	4,199	7,041	3,991	2,864	1,868	8,419	1,805	4,876	4,815	2,979	1,993	2,586
11	5,042	7,962	3,450	3,087	1,870	8,926	1,242	5,360	1,384	4,551	1,173	946
12	5,592	7,497	3,415	3,060	2,067	4,125	5,461	9,584	1,388	2,891		1,607
13	6,798	3,538	2,072	3,674	1,847	2,632	3,790	6,006	2,996	2,356		3,138
14	6,342	5,916	2,463	3,382	2,131	8,904	2,747	1,293	3,593	1,951		1,918
15	4,701	8,269	4,783	3,410	1,521	10,621	2,284		2,371			2,724
16	3,044	6,412	4,356	3,975	1,760	6,930	2,117		2,985			2,742
17	2,858	5,816	3,506	1,849	1,653	7,841	1,501	5,955	3,565	2,222		3,580
18	3,616	5,793	3,058	1,237	2,426	2,769	2,168	4,819	1,512	1,639		1,595
19	6,122	8,035	2,580	1,859	1,588	1,516	4,777	4,745	1,384	2,823		2,413
20	2,819	2,176	2,213	2,441	2,164	1,538	2,106	3,860	3,849	1,852	1,767	2,116
21	2,875	1,871	1,615	2,146	1,821	4,178	2,930	1,420	4,446	1,927	1,267	4,009
22	3,344	5,653	2,706	2,755	1,522	3,054	5,527	941	3,605	1,897	704	4,044
23	3,778	4,753	4,019	3,446	1,494	2,265	3,743	4,572	3,722	1,590		2,134
24	3,088	3,320	2,579	3,168	1,271	2,381	2,525	5,952	4,060	955	1,772	2,157
25	4,992	3,283	5,409	2,496	1,592	4,902	4,392	3,281	1,072	1,588	826	1,081
26	2,715	4,166	3,025	2,979	1,599	3,009	3,345	4,179	2,810	3,435	2,175	1,522
27	5,301	2,415	3,131	2,707	1,796	1,773	4,165	3,320	4,475	1,214	1,888	3,716
28	3,369	1,340	2,159	1,844	1,903	7,366	3,277	1,204	4,648	1,503	1,562	2,816
29	3,744	--	4,535	2,221	2,567	5,770	4,526	1,863	4,310	2,789		3,693
30	4,335	--	4,402	2,081	1,522	3,373	5,561	2,992	3,615	1,979	2,104	3,149
31	5,701	--	4,499	--	3,070	--	1,481	2,392	--	--	--	2,564

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Minimum Reservoir Elevation for 1999

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	519.55	519.95	519.72	520.08	520.04	519.36	520.30	520.04	520.20	519.90	512.21	518.38
2	519.67	520.04	519.78	520.37	520.01	519.84	520.42	520.37	520.40	520.18	511.97	518.63
3	520.18	519.54	519.47	520.47	519.69	519.88	520.44	519.71	520.50	519.65	512.02	519.59
4	520.15	518.99	518.85	520.41	519.74	519.90		520.00	520.45	516.68	512.02	519.94
5	519.76	519.16	519.56	519.80	519.59	520.53		519.66	520.22	515.29	512.18	520.08
6	520.06	519.59	519.21	519.77	520.00	520.42	519.83	519.88	520.20	514.54	512.25	520.16
7	520.04	519.85	519.37	519.75	520.10	519.29	520.20	520.15	520.32	512.17	512.09	519.99
8	520.18	519.80	518.81	520.12	520.18	518.97	520.37	520.13	520.35	511.76	512.15	520.00
9	519.77	519.64	518.55	519.84	520.17	519.09	520.44	519.66	520.05	511.86	512.70	520.06
10	519.94	519.42	518.54	520.22	520.00	518.96	520.32	519.95	519.85	512.04	512.16	520.27
11	519.82	519.73	518.60	519.91	520.07	519.02	520.50	519.93	520.25	512.30	512.50	520.50
12	520.02	519.63	518.83	520.28	520.00	520.24	520.05	519.70	520.00	512.07	512.90	520.52
13	520.18	520.46	519.07	520.02	519.88	520.07	520.49	519.01	519.56	512.04		520.40
14	519.84	520.08	519.25	519.66	519.76	519.15	520.37	520.00	519.70	512.09		520.54
15	519.63	519.58	519.69	519.63	519.80	519.56	520.35	520.16	519.80	512.09		520.51
16	520.13	519.56	519.74	519.80	519.63	519.86	520.40	519.63	519.66	511.95		520.54
17	519.77	519.92	519.89	519.85	519.38	520.37	520.55	520.28	519.97	511.88		520.37
18	519.96	519.70	520.19	519.90	519.38	520.21	520.50	520.32	520.45	512.00		520.40
19	519.94	519.74	520.27	519.68	519.17	520.49	519.85	519.37	520.22	511.75		520.30
20	519.94	520.12	520.44	519.78	519.21	520.28	520.15	520.03	519.66	511.75	515.19	520.25
21	519.82	520.10	520.47	519.92	519.14	520.00	520.33	520.55	519.50	511.97	515.20	520.22
22	519.82	519.47	520.44	520.13	519.11	519.83	520.53	520.59	519.66	511.82	515.32	520.37
23	519.87	519.73	520.34	520.05	519.01	520.10	520.13	520.20	519.99	512.01	516.06	520.63
24	520.07	520.14	520.58	519.60	518.84	520.47	520.46	520.39	520.30	512.02	516.71	520.45
25	520.00	519.76	519.83	519.78	519.05	520.44	520.50	520.25	520.54	511.80	516.76	520.51
26	520.13	520.28	520.01	519.54	519.10	520.10	520.20	520.10	520.42	511.98	517.05	520.48
27	520.07	520.00	520.22	519.58	519.20	520.10	520.50	520.24	520.29	511.75	517.13	520.00
28	520.09	520.09	520.36	519.96	519.20	520.07	520.37	520.58	520.20	511.89	517.42	520.15
29	519.56	--	519.86	520.32	519.30	519.96	519.70	520.30	520.07	511.30	517.71	520.13
30	519.44	--	520.10	520.15	519.28	520.03	519.51	520.15	520.10	511.98	518.06	520.16
31	519.27	--	519.72	--	519.27	--	519.50	520.26	--	512.22	--	520.05

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Maximum Reservoir Elevation for 1999

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.55	520.68	520.41	520.98	520.46	520.46	520.76	520.68	520.66	520.94	513.07	518.91
2	520.38	520.63	520.54	520.96	520.34	520.86	520.76	520.89	520.66	520.61	512.70	519.59
3	520.97	520.59	520.71	520.83	520.32	520.93	520.90	520.60	520.70	520.36	512.52	520.25
4	520.88	520.08	520.26	520.82	520.26	520.81		520.63	520.80	519.68	512.47	520.40
5	520.94	519.90	520.00	520.93	520.05	520.97		520.63	520.66	517.37	512.65	520.37
6	520.89	520.44	519.86	520.71	520.46	520.76	520.73	520.41	520.41	516.43	512.69	520.90
7	520.84	520.57	520.07	520.61	520.49	520.59	520.93	520.66	520.64	514.96	512.52	520.84
8	520.99	520.88	519.63	520.76	520.68	520.66	520.99	520.73	520.83	512.92	512.85	520.72
9	520.92	520.97	519.21	520.65	520.64	520.64	520.87	520.55	520.73	512.50	513.35	520.70
10	520.94	520.44	519.20	520.59	520.54	520.54	520.90	520.61	520.63	512.75	512.84	520.72
11	520.74	520.69	519.19	520.82	520.59	520.76	520.73	520.79	520.61	512.88	513.09	520.96
12	520.85	520.64	519.37	520.75	520.37	520.95	520.78	520.97	520.43	512.91	512.90	520.96
13	520.88	520.98	519.48	520.90	520.39	520.61	520.86	520.55	520.23	512.76		520.77
14	520.84	520.96	520.17	520.65	520.23	520.71	520.85	520.53	520.51	512.75		520.85
15	520.52	520.55	520.76	520.58	520.21	520.88	520.81	520.73	520.38	513.03		520.88
16	520.80	520.12	520.92	520.83	520.11	520.84	520.92	520.66	520.56	512.92		520.96
17	520.45	520.46	520.90	520.39	519.89	520.97	520.91	520.95	520.68	512.77		520.92
18	520.62	520.46	520.99	520.26	520.00	520.92	520.98	520.80	520.92	512.63		520.82
19	521.00	520.74	520.75	520.04	519.62	520.88	520.95	520.51	520.65	512.87		520.99
20	520.60	520.74	520.80	520.55	519.82	520.71	520.71	520.63	520.43	512.48	515.60	520.75
21	520.33	520.61	520.87	520.56	519.47	520.86	520.88	520.85	520.53	512.45	515.47	520.93
22	520.60	520.28	520.85	520.63	519.54	520.56	520.99	520.82	520.49	512.25	516.06	520.95
23	520.50	520.46	520.95	520.31	519.43	520.48	520.81	520.80	520.58	512.65	516.73	520.93
24	520.57	520.72	520.97	520.31	519.21	520.83	520.71	520.85	520.78	512.40	517.03	520.99
25	521.00	520.51	520.87	520.19	519.44	520.93	520.90	520.87	520.94	512.38	517.30	520.82
26	520.48	520.92	520.49	520.37	519.56	520.76	520.71	520.88	520.78	513.06	517.52	520.91
27	520.98	520.51	520.88	520.32	519.68	520.47	520.94	520.87	520.66	512.11	517.64	520.65
28	520.66	520.44	520.83	520.48	519.70	520.68	520.76	520.88	520.87	512.26	517.86	520.58
29	520.51	--	520.66	520.72	519.73	520.83	520.69	520.84	520.85	512.30	518.72	520.71
30	520.54	--	520.72	520.71	519.52	520.81	520.39	520.51	520.80	512.69	518.72	520.68
31	519.96	--	520.84	--	519.86	--	520.04	520.53	--	512.74	--	520.68

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Inflow for 2001 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3,567	6,151	7,581	3,922	3,295	6,864	1,735	5,261	1,663	2,418	3,443	1,579
2	5,454	6,155	7,148	6,305	3,840	10,858	4,908	4,666	845	1,991	4,048	893
3	5,188	5,894	20,517	11,906	3,338	15,352	5,302	4,525	2,310	2,880	2,089	3,016
4	5,423	4,010	31,003	40,720	3,807	10,928	4,691	3,392	3,935	700	761	3,449
5	5,562	4,809	20,110	28,279	1,504	10,484	4,550	3,013	2,884	1,451	1,235	2,601
6	2,153	4,873	13,435	15,891	1,262	8,157	6,848	3,471	3,091	2,201	4,642	2,737
7	1,301	3,426	11,562	10,136	2,757	7,600	4,545	4,099	2,590	547	2,933	2,632
8	4,404	3,621	11,074	9,202	2,515	7,604	6,510	4,289	1,027	1,058	3,536	1,057
9	5,585	2,077	8,809	8,843	3,310	6,423	4,847	5,113	1,196	1,663	2,525	790
10	5,534	1,796	4,677	7,104		7,684	3,266	5,065	3,283	2,652	2,027	2,637
11	5,010	1,428	1,903	6,516		8,385	3,256	2,628	2,544	1,269	746	2,406
12	4,428	2,437	6,548	6,349	2,459	7,397	2,974	3,229	2,696	2,972	1,865	1,813
13	2,348	3,880	17,582	5,221	1,620	7,856	4,306	3,733	2,398	841	3,850	2,283
14	1,233	3,393	23,235	2,614	2,764	6,823	1,278	3,835	1,705	1,144	3,163	2,458
15	3,626	3,311	38,192	2,042	3,057	6,664	1,115	3,804	1,226	1,465	3,653	1,415
16	4,327	3,599	37,830	4,419	3,027	3,501	2,569	3,710	508	1,149	2,801	916
17	4,522	2,364	28,713	5,671		2,209	3,062	3,437	2,079	1,539	2,041	2,698
18	3,459	2,492	13,483	4,526	3,375	4,362	3,444	2,647	1,863	1,880	744	3,381
19	5,249	3,910	11,880	5,272	2,133	4,633	2,670	2,263	1,768	2,693	2,649	1,917
20	4,982	2,968	30,444	5,531	3,300	4,892	3,693	2,703	2,244	860	4,600	2,149
21	3,857	3,935	35,393	2,303		3,669	1,157	3,543	2,137	568	4,277	2,403
22	7,209	4,886	26,323	1,490	4,679	3,211	836	3,794	1,816	1,711	4,359	1,038
23	5,857	4,476	16,939	3,388	3,445	1,181	2,407	4,493	658	4,029	3,918	1,238
24	7,575	5,619	11,540	5,303	3,482	1,072	2,834	4,723	1,849	2,658	1,385	2,145
25	7,558	6,833	10,656	4,183	3,784	3,781	4,188	2,163	2,249	4,341	1,009	1,589
26	7,069	5,754	8,067	4,710	2,708	4,087	4,939	941	2,743	2,539	2,530	2,428
27	6,770	5,348	8,974	4,054	1,731	4,341	4,876	3,502	2,489	648	3,602	2,555
28	3,624	7,241	8,594	1,827	1,871	4,764	2,786	3,697	2,029	608	3,195	3,693
29	6,328	--	7,544	1,345	5,678	5,329	3,050	3,932	1,148	1,968	2,370	2,027
30	5,991	--	7,848	2,909	6,436	1,721	3,947	3,129	679	2,503	2,596	1,652
31	6,908	--	4,921	--	10,116	--	4,395	3,042	--	3,828	--	3,217

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Discharge for 2001 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2,759	7,018	6,415	4,974	3,061	7,771	2,543	5,111	1,544	6,300	2,214	1,489
2	6,112	6,274	6,759	5,339	3,577	9,532	5,147	4,845	1,547	5,333	4,871	1,491
3	5,069	6,491	21,115	9,316	3,099	17,553	4,525	4,525	2,630	5,420	1,847	2,627
4	5,573	6,401	31,273	39,537	2,940	8,548	5,019	2,914	3,002	6,977	1,172	2,791
5	5,413	2,943	19,901	30,103	1,235	10,902	5,208	4,403	4,167	5,823	1,472	2,751
6	2,512	3,452	14,512	13,739	1,232	7,769	7,297	3,617	3,149	1,505	890	2,677
7	2,198	2,469	12,626	13,805	3,325	7,720	5,049	3,457	3,027	1,501	1,232	2,692
8	4,315	3,172	10,783	10,827	3,411	7,604	6,066	3,215	1,552	1,999	1,466	1,206
9	5,764	2,286	8,984	6,052	2,802	6,423	4,099	5,083	1,950	1,499	900	1,208
10	4,547	1,527	3,041	4,841		8,952	3,206	4,915	2,587	1,453	1,790	2,099
11	5,488	1,577	2,412	5,619		7,027	2,986	3,615	2,806	2,892	1,193	2,166
12	4,907	3,394	6,339	7,037	1,801	7,846	2,944	3,582	1,821	1,467	1,182	2,441
13	1,720	3,043	17,552	5,131	1,231	7,766	4,066	3,499	2,368	1,476	1,333	3,060
14	2,445	3,632	23,564	1,178	3,422	7,002	1,517	3,686	451	1,497	1,164	2,727
15	4,413	3,311	37,474	2,311	3,057	7,017	1,504	2,847	818	1,442	2,324	1,505
16	3,102	3,150	37,950	5,436	3,027	3,268	2,927	3,650	799	1,102	1,926	1,476
17	3,508	2,604	30,203	5,970		2,355	2,763	4,095	1,071	1,492	1,643	1,809
18	3,459	2,462	12,532	5,422	3,285	4,653	3,295	2,528	1,564	1,951	1,227	1,946
19	4,860	3,670	12,149	5,476	1,206	4,487	2,760	2,323	2,546	1,870	2,024	2,784
20	5,131	3,297	30,205	4,999	3,360	4,151	2,855	3,002	1,915	2,060	1,203	2,807
21	6,044	3,636	36,285	1,166		4,147	1,186	3,094	2,167	1,712	2,095	2,045
22	5,979	5,813	25,969	1,191	4,380	3,619	1,195	3,256	1,218	2,031	3,641	1,516
23	6,066	5,732	16,849	4,255	4,910	1,239	2,915	4,583	1,525	2,047	4,067	1,537
24	6,917	4,214	10,613	5,214	3,953	1,218	2,685	4,782	2,028	2,023	1,236	2,145
25	7,708	6,953	10,237	4,243	3,726	3,636	2,693	2,103	1,232	3,165	1,218	2,319
26	6,770	5,963	8,486	4,411	1,877	3,562	7,152	1,241	2,593	2,612	2,799	1,874
27	6,411	6,748	10,315	4,114	1,821	3,563	5,409	3,502	2,340	1,540	2,525	2,050
28	3,714	6,260	11,506	2,545	2,671	4,824	1,475	3,996	2,029	1,478	2,986	2,377
29	5,670	--	7,458	2,055	5,415	4,073	2,691	4,201	1,835	1,709	3,387	1,847
30	6,529	--	8,047	3,084	6,257	1,721	4,516	3,278	2,445	2,526	2,686	1,532
31	6,549	--	4,779	--	10,146	--	4,964	3,251	--	3,240	--	3,008

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Minimum Reservoir Elevation for 2001

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.22	519.86	519.79	518.36	519.60	519.37	520.25	519.85	519.93	517.98	511.93	520.46
2	519.95	519.90	520.26	518.14	519.65	519.73	519.94	519.78	519.74	516.72	512.10	520.26
3	519.97	519.76	520.28	518.54	519.75	519.43	520.32	519.70	519.15	515.97	512.10	520.07
4	519.88	518.98	520.21	519.81	520.08	519.43	520.18	519.85	519.49	513.47	511.99	520.31
5	519.95	519.11	520.36	519.38	520.38	519.96	520.03	519.64	518.98	511.77	511.67	520.48
6	520.27	519.44	520.17	519.59	520.45	520.10	519.84	519.09	518.91	511.91	511.93	520.19
7	519.97	520.19	519.78	519.00	520.10	520.00	519.50	519.35	519.01	511.72	513.47	520.35
8	519.65	520.30	519.71	517.69	519.63	519.98	519.55	519.63	519.20	511.08	514.15	520.50
9	519.65	520.27	519.52	518.49	519.86	519.94	520.04	519.92	518.95	511.40	514.96	520.36
10	519.53	520.66	519.87	519.47	520.16	519.76	520.14	519.93	518.95	511.47	515.58	520.20
11	519.83	520.65	520.20	520.24		519.76	520.22	519.48	519.10	511.18	515.46	520.44
12	519.64	520.07	519.84	520.15	520.32	519.80	520.11	519.19	518.93	511.29	515.31	520.24
13	520.02	520.17	520.19	519.97	520.40	519.64	520.16	519.39	518.82	511.53	515.76	519.94
14	519.73	520.27	520.16	520.34	519.95	519.81	520.39	519.38	519.41	511.37	516.70	519.81
15	519.16	520.21	520.22	520.66	519.95	519.68	520.22	519.70	519.84	511.34	517.43	520.04
16	519.36	520.23	520.09	519.95	520.03	519.73	519.60	519.84	519.82	511.47	517.58	519.85
17	519.51	520.62	519.92	519.94	520.31	519.57	519.79	519.65	519.65	511.47	518.22	519.65
18	519.95	520.60	519.92	519.56	519.91	519.55	519.72	519.73	519.95	511.15	518.13	520.19
19	520.10	520.20	519.86	519.38	520.32	519.57	519.82	519.74	519.75	511.09	517.67	520.08
20	520.05	520.35	520.03	519.70	520.41	519.81	519.94	519.43	519.78	511.30	518.41	519.95
21	519.41	520.31	519.93	520.10	520.61	519.60	520.51	519.50	519.74	510.83	519.48	519.95
22	519.65	520.21	519.67	520.48	520.20	519.74	520.41	519.72	520.16	510.17	520.03	520.11
23	519.76	519.60	520.05	519.88	519.66	519.79	519.78	519.87	520.01	510.70	520.04	519.95
24	520.00	519.98	519.99	520.29	519.49	519.74	519.74	519.86	519.57	511.17	520.44	519.74
25	519.87	520.30	520.30	520.15	519.39	519.41	520.23	520.04	519.91	511.86	520.42	519.75
26	519.96	520.01	519.89	520.24	519.92	519.69	519.53	520.23	520.02	511.64	519.78	519.67
27	520.27	519.55	519.94	520.13	520.03	520.01	519.36	519.70	519.99	511.84	520.19	519.79
28	519.85	519.57	518.78	520.14	519.67	520.21	519.85	519.55	520.02	511.50	520.28	520.13
29	519.82	--	518.46	519.90	519.79	520.25	519.80	519.58	520.16	510.98	520.09	520.47
30	520.15	--	518.65	519.48	519.99	520.55	519.91	519.49	519.59	511.20	519.99	520.47
31	520.18	--	518.55	--	520.02	--	519.70	519.27	--	511.47	--	520.53

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Maximum Reservoir Elevation for 2001

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.64	520.91	520.64	519.29	520.38	520.12	520.77	520.51	520.35	519.70	512.56	520.73
2	520.90	520.74	520.91	519.01	520.43	520.41	520.60	520.51	520.18	518.46	513.01	520.57
3	520.76	520.59	520.87	519.81	520.49	520.23	520.92	520.44	519.94	517.30	512.55	520.50
4	520.67	520.29	520.85	520.98	520.58	520.90	520.87	520.45	520.00	516.20	512.44	520.65
5	520.73	519.90	520.83	520.21	520.75	520.88	520.87	520.45	520.20	518.34	512.14	520.85
6	520.85	520.29	520.71	520.32	520.75	520.80	520.55	519.95	519.82	512.72	513.65	520.78
7	520.44	520.74	520.46	520.54	520.64	520.72	520.48	520.01	519.74	512.33	514.15	520.89
8	520.34	520.96	520.32	519.19	520.56	520.68	520.29	520.32	519.63	511.93	514.96	520.82
9	520.56	520.88	520.28	519.47	520.46	520.70	520.70	520.65	519.39	512.03	515.58	520.72
10	520.41	520.86	520.60	520.27	520.16	520.93	520.61	520.67	519.25	512.17	516.23	520.67
11	520.58	520.88	520.53	520.98		520.69	520.65	520.64	519.61	512.20	515.88	520.90
12	520.53	520.84	520.47	520.90	520.86	520.46	520.73	520.30	519.40	511.96	515.76	520.69
13	520.41	520.86	520.96	520.90	520.76	520.48	520.70	520.18	519.57	512.15	516.70	520.60
14	520.31	520.86	520.61	520.83	520.72	520.59	520.80	520.28	519.84	511.98	517.43	520.48
15	519.90	520.78	520.91	520.97	520.69	520.49	520.60	520.38	520.13	511.66	517.91	520.33
16	520.07	520.78	521.11	520.95	520.65	520.46	520.45	520.75	520.05	511.83	518.22	520.26
17	520.39	520.96	520.58	520.81	520.31	520.29	520.42	520.65	520.22	511.83	518.67	520.19
18	520.73	520.88	520.76	520.59	520.64	520.19	520.47	520.50	520.35	511.82	518.51	520.85
19	520.90	520.84	520.57	520.21	520.69	520.22	520.60	520.38	520.50	511.88	518.41	520.75
20	520.78	520.91	520.99	520.24	520.96	520.29	520.60	520.35	520.32	512.03	519.59	520.58
21	520.70	520.99	520.94	520.68	520.61	520.45	520.84	520.30	520.35	511.44	520.33	520.35
22	520.78	520.98	520.15	520.81	520.90	520.44	520.74	520.59	520.39	510.95	520.89	520.41
23	520.63	520.61	520.81	520.80	520.87	520.12	520.62	520.69	520.45	511.59	520.82	520.24
24	521.00	520.54	520.53	520.97	520.49	520.07	520.52	520.72	520.16	512.07	520.77	520.21
25	520.92	520.77	520.82	520.99	520.36	519.99	520.85	520.70	520.35	512.49	520.77	520.13
26	520.80	520.82	520.79	520.97	520.39	520.24	520.96	520.57	520.62	512.47	520.56	520.32
27	521.00	520.74	520.89	520.85	520.41	520.51	520.42	520.42	520.72	512.50	520.79	520.14
28	520.48	520.32	519.94	520.72	520.46	520.74	520.37	520.50	520.67	512.13	520.94	520.85
29	520.80	--	519.19	520.32	520.54	520.95	520.53	520.52	520.70	511.69	520.89	520.84
30	520.89	--	519.56	520.19	520.63	520.84	520.74	520.44	520.32	511.90	520.72	520.80
31	520.93	--	519.46	--	520.97	--	520.71	520.25	--	512.40	--	520.89

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Inflow for 2002 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2,191	7,258	3,971	7,558	3,670	1,149	3,872	2,885	588	3,257	2,988	944
2	2,017	4,743	4,735	10,275	4,884	767	3,474	2,916	2,466	3,563	879	
3	2,528	3,369	5,155	10,458	3,819	3,450	2,688	868		2,269	537	
4	801	4,509	6,096	10,123	2,026	3,420	3,399	577	2,641	3,071	4,408	
5	1,117	4,650	4,511	8,182	4,702	3,818	3,250	2,879	3,275	2,647	2,884	
6	1,302	6,428	3,934	3,067	16,271	4,000	988	2,982	2,894	956	2,579	6,404
7	1,623	8,706	3,151	1,720	11,015	3,467	645	2,355	687	1,932	3,735	3,758
8	3,365	10,026	2,632	3,498	4,943	1,018	2,457	3,642		2,924	5,705	1,012
9	3,202	5,371	1,495	3,959	4,816	870	1,901	2,393	4,320	2,768	4,442	5,320
10	2,787	11,005	1,289	3,893	3,900	2,458	3,203	1,151	2,214	2,786	5,817	7,349
11	1,781	7,484	3,553	3,419	1,411	2,071	2,420		2,131	1,136	7,427	6,676
12	1,253	4,929	2,274	3,167	1,521	2,304	2,747	4,436	2,447	978	14,916	9,243
13	1,255	3,261	3,380	2,380	2,770	2,885	1,020	2,566	3,534	844	21,415	9,324
14	1,789	4,426	4,050	3,511	2,540	2,594	1,017	918	1,162	1,848	10,961	3,492
15	1,952	3,165	4,117	3,746	2,819	904	2,526	2,755	697	2,719	8,244	4,193
16	1,890	1,501	2,969	4,077	2,209	1,361	2,950	3,314	1,727	2,742	2,341	6,096
17	1,237	1,268	1,738	4,089	3,343	2,116	3,098	942	2,486	2,628	1,739	7,942
18	1,086	2,959	3,158	3,933	1,754	2,301	2,237	649	1,808	2,389	8,007	7,467
19	1,357	2,184	3,600	3,485	1,031	2,122	2,305	3,372	2,245	966	10,526	7,287
20	1,614	2,149	3,778	3,342	2,439	2,443	709	4,418	2,352	862	8,020	8,967
21	6,136	2,054	6,856	1,441	2,977	2,105	636	2,647	936	2,454	6,734	7,017
22	5,367	3,065	6,722	1,889	2,696	2,986	2,971	2,934	714	2,738	5,743	3,924
23	8,268	1,078	4,539	3,092	4,398	834	3,653	3,201	1,956	3,091	1,726	8,931
24	7,757	1,092	3,694	3,634		1,366	2,622	768	2,409	2,715	1,108	11,867
25	8,270	3,388	3,647	3,049		2,667	2,487	540	2,539	3,072	7,779	14,035
26	11,942	3,483	6,021	2,995	1,012	3,984	2,393	3,330	2,887	1,862	9,973	23,980
27	12,671	3,831	5,842	1,881	2,368	3,217	1,382	2,903	2,080	808	10,554	26,541
28	10,346	4,026	5,256	1,026	2,625	2,889	926	2,814	999	2,588	4,754	24,243
29	8,711	--	4,485	2,810	2,957	1,299	2,827	3,306	713	3,308	5,711	10,847
30	7,484	--	1,995	3,094	3,677	931	3,571	3,128	2,559	3,773	1,911	10,128
31	7,442	--	4,014	--	3,783	--	2,969	654	--	3,540	--	8,038

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Discharge for 2002 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3,028	6,869	3,612	7,471	3,849	2,106	2,326	3,125	1,289	2,151	3,377	1,812
2	2,406	4,174	5,094	9,260	4,286	1,485	3,684	3,066	2,058	4,012	2,075	
3	2,348	4,206	4,497	10,099	4,297	2,971	2,988	1,526		2,000	1,676	
4	2,726	4,921	6,215	10,601	2,414	3,599	3,070	1,517	2,046	2,742	2,940	
5	1,205	4,089	4,541	8,331	4,881	3,579	2,741	2,734	2,049	2,019	3,419	
6	1,214	6,990	4,532	3,871	13,788	3,641	1,526	1,739	2,954	1,973	2,987	7,211
7	2,031	7,755	3,570	2,653	11,673	3,587	1,512	1,757	1,614	2,650	2,912	2,412
8	2,079	9,159	2,842	3,032	5,960	1,796	2,692	2,416		2,296	5,077	1,819
9	2,425	9,726	1,136	3,463	4,517	1,514	2,659	4,068	1,575	2,230	5,159	6,187
10	2,757	6,830	1,139	3,537	5,795	2,371	2,649	1,540	1,974	2,277	4,950	6,960
11	1,811	7,245	2,984	2,881	1,499	2,071	2,040		1,682	2,093	6,829	6,227
12	1,223	5,438	2,932	2,300	1,462	2,188	2,598	1,870	2,298	1,546	15,156	9,004
13	1,195	4,218	2,543	3,038	2,595	2,652	1,491	1,528	3,773	1,528	20,668	9,025
14	2,237	3,978	4,080	3,062	2,977	2,387	1,483	2,452	2,419	1,906	16,116	3,672
15	2,071	2,836	4,775	3,866	2,207	1,199	2,322	1,491	1,472	1,917	4,345	4,642
16	1,502	902	2,730	4,615	2,326	1,215	2,306	2,506	1,815	1,845	1,204	6,754
17	1,506	909	1,738	3,880	2,430	1,788	2,649	1,600	1,983	1,851	2,726	7,703
18	1,535	3,258	3,607	4,202	1,515	1,763	2,297	1,626	2,077	2,658	8,366	6,839
19	1,178	2,902	3,570	3,276	1,569	2,331	1,976	1,618	2,275	1,893	10,198	7,137
20	1,495	2,299	3,240	2,953	2,259	1,785	1,546	3,909	2,202	1,490	8,738	9,894
21	6,076	2,502	6,856	1,830	2,319	1,806	1,540	3,664	1,990	2,214	6,435	6,060
22	4,769	2,108	6,034	3,137	2,606	2,388	2,300	2,276	1,792	2,588	5,354	5,061
23	8,567	1,766	4,269	2,917	3,919	2,778	1,984	2,932	1,547	3,240	2,175	9,200
24	7,876	1,835	3,993	3,219		1,276	2,712	1,575	1,563	2,506	2,055	9,834
25	8,060	2,047	4,334	2,929		2,158	2,338	2,518	1,511	2,474	6,713	15,171
26	10,387	3,842	6,350	2,965	1,550	4,702	2,961	2,513	1,960	1,533	10,033	23,980
27	13,897	4,249	7,928	1,522	3,580	2,678	1,830	2,786	2,469	1,735	10,853	25,883
28	10,077	3,608	2,811	1,535	2,975	2,560	2,016	2,930	1,537	2,408	4,006	25,350
29	9,369	--	3,887	3,108	2,402	2,106	2,302	2,414	1,566	3,278	6,010	11,235
30	8,437	--	3,580	2,377	2,219	1,489	2,348	2,829	1,766	3,564	1,791	9,321
31	7,237	--	4,188	--	3,125	--	2,730	1,581	--	3,211	--	8,905

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Minimum Reservoir Elevation for 2002

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.42	519.60	520.18	519.51	519.53	520.24	519.61	519.70	519.72	519.91	520.25	519.94
2	520.09	519.93	520.04	519.97	519.65	520.00	519.78	519.77	519.18	519.87	519.97	519.51
3	520.25	519.80	520.26	520.23	519.56	519.56	519.61	520.01	519.31	519.81	519.59	
4	519.68	519.35	520.15	520.19	520.00	519.41	519.48	519.70	519.50	519.98	519.46	
5	519.59	519.70	520.20	519.97	519.50	519.44	519.75	519.16	519.69	520.23	519.49	519.96
6	519.70	519.78	519.83	519.90	520.02	519.46	520.23	519.47	519.75	520.28	519.35	519.76
7	519.28	519.91	519.76	519.13	519.60	519.45	519.98	519.82	520.19	519.60	519.79	520.28
8	519.60	519.96	519.76	519.29	519.73	520.00	519.33	520.28	519.51	519.90	519.46	520.40
9	519.92	519.64	520.02	519.31	519.44	519.79	519.21	519.69	519.51	519.96	519.34	519.70
10	520.23	519.54	520.12	519.42	519.38	519.30	519.33	520.13	519.96	520.28	519.50	519.68
11	520.04	519.88	519.68	519.82	519.60	519.33	519.52	519.79	519.81	520.18	519.95	519.88
12	520.22	519.93	519.91	520.02	519.69	519.38	519.50	519.38	519.99	520.11	520.14	519.91
13	520.26	519.74	520.00	520.12	519.11	519.34	519.75	519.70	519.93	519.89	520.47	519.91
14	519.90	519.64	520.05	520.09	519.14	519.49	519.62	519.64	520.16	519.45	518.90	519.99
15	520.09	519.79	519.95	519.82	519.28	519.88	519.29	519.40	519.91	519.85	518.12	520.08
16	519.89	520.31	520.21	519.48	519.39	519.73	519.37	519.88	519.55	520.20	520.30	519.76
17	519.92	520.51	520.08	519.76	519.38	519.58	519.50	520.13	519.46	520.50	520.28	519.84
18	519.92	520.04	519.81	519.65	520.13	519.73	519.60	519.79	519.59	520.51	519.80	519.82
19	520.02	520.00	519.63	519.83	519.98	519.71	519.77	519.66	519.45	520.31	519.91	519.91
20	520.04	519.90	519.68	520.05	519.58	519.85	519.93	519.97	519.60	520.09	519.64	519.80
21	519.85	519.81	519.96	520.22	519.69	520.07	519.60	519.72	519.65	519.62	519.90	519.83
22	520.02	519.81	520.22	519.60	519.90	520.53	519.13	519.70	519.29	519.92	519.95	519.48
23	520.06	520.02	520.15	519.51	519.71	520.00	519.86	519.89	518.96	519.98	520.16	519.62
24	519.89	519.90	520.45	519.50	519.70	519.92	520.03	520.26	519.18	519.94	519.83	519.59
25	519.92	519.73	519.94	519.69	520.39	519.63	519.81	519.60	519.58	520.08	519.25	519.81
26	520.28	520.03	519.79	519.75	520.17	519.73	519.93	519.26	519.82	520.50	519.91	520.08
27	520.36	519.82	519.26	520.14	519.28	519.39	520.10	519.46	519.88	520.26	519.74	520.38
28	520.39	519.69	519.50	520.00	519.27	519.70	519.70	519.40	520.06	519.93	519.98	520.23
29	520.12	--	520.20	519.42	519.12	519.93	519.29	519.67	519.76	519.77	520.04	519.21
30	519.77	--	519.91	519.55	519.46	519.80	519.46	520.06	519.42	520.14	520.22	519.42
31	519.55	--	519.49	--	519.70	--	519.75	519.98	--	520.18	--	519.28

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Maximum Reservoir Elevation for 2002

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.87	520.40	520.65	520.29	520.61	520.78	520.39	520.64	520.10	520.45	520.79	520.34
2	520.55	520.58	520.59	520.80	520.63	520.43	520.56	520.55	519.92	520.66	520.55	520.45
3	520.75	520.43	520.90	520.87	520.73	520.20	520.47	520.46	520.08	520.62	520.09	
4	520.45	520.19	520.88	520.92	520.61	520.38	520.55	520.18	520.17	520.64	520.13	
5	519.80	520.33	520.66	520.70	520.28	520.44	520.57	519.90	520.56	520.74	520.30	520.82
6	519.87	520.56	520.55	520.51	520.85	520.41	520.65	520.25	520.71	520.86	520.20	520.81
7	519.81	520.59	520.39	520.04	520.85	520.51	520.40	520.45	520.67	520.50	520.42	520.98
8	520.04	520.66	520.24	520.09	520.78	520.48	520.15	520.86	520.33	520.39	520.33	520.79
9	520.30	520.83	520.36	520.31	520.50	520.21	520.11	520.92	520.44	520.55	520.66	520.64
10	520.72	520.46	520.46	520.65	520.62	519.96	520.17	520.59	520.59	520.72	520.64	520.81
11	520.38	520.74	520.48	520.58	520.00	520.03	520.08	520.27	520.67	520.83	520.86	520.92
12	520.38	520.78	520.48	520.63	520.09	520.08	520.34	519.95	520.79	520.60	520.92	520.86
13	520.41	520.51	520.44	520.95	519.91	520.06	520.20	520.23	520.89	520.34	520.79	520.84
14	520.41	520.33	520.73	520.90	520.07	520.16	520.07	520.37	520.83	520.01	520.72	520.78
15	520.41	520.46	520.85	520.88	519.97	520.24	519.93	520.14	520.34	520.32	520.30	520.87
16	520.27	520.53	520.76	520.85	520.09	520.08	520.03	520.41	520.07	520.81	520.68	520.65
17	520.31	520.83	520.58	520.90	520.16	520.14	520.20	520.59	520.10	520.88	520.82	520.92
18	520.25	520.70	520.51	520.87	520.58	520.28	520.35	520.29	520.28	520.96	520.88	520.81
19	520.34	520.60	520.41	520.78	520.41	520.48	520.40	520.45	520.15	520.84	520.86	520.79
20	520.45	520.36	520.43	520.92	520.19	520.43	520.38	520.84	520.34	520.55	520.55	520.86
21	520.44	520.33	520.82	520.78	520.36	520.62	520.08	520.76	520.19	520.23	520.44	520.72
22	520.48	520.48	520.86	520.49	520.70	520.90	519.91	520.50	519.82	520.44	520.55	520.71
23	520.80	520.51	520.87	520.34	520.78	520.84	520.47	520.66	519.46	520.57	520.61	520.68
24	520.64	520.30	520.81	520.43	520.75	520.19	520.61	520.75	519.75	520.62	520.27	520.81
25	520.65	520.51	520.65	520.56	520.82	520.28	520.57	520.40	520.10	520.66	520.22	520.97
26	520.80	520.66	520.80	520.63	520.58	520.49	520.78	519.93	520.41	520.89	520.68	520.38
27	520.84	520.53	520.71	520.58	520.28	520.22	520.67	520.07	520.57	520.68	520.72	520.67
28	520.63	520.31	520.55	520.43	520.05	520.45	520.28	520.08	520.52	520.36	520.71	520.60
29	520.80	--	520.73	520.29	519.89	520.50	519.96	520.25	520.22	520.55	520.94	520.47
30	520.59	--	520.80	520.23	520.38	520.19	520.37	520.44	520.08	520.69	520.59	520.98
31	520.26	--	520.26	--	520.60	--	520.57	520.45	--	520.79	--	520.83

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Inflow for 2003 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6,266	3,478		6,366	10,635	3,105	26,389	6,378	4,358	3,785	4,408	9,269
2	9,630	2,998	6,888	5,715	10,670	4,531	42,117	6,345	5,132	3,189	4,301	9,278
3	7,223	5,352	6,584	4,157	9,521	5,933	32,257	5,848	3,983	3,040	4,327	9,145
4	2,617	4,508	11,414	3,518	8,766	6,179	23,263	6,807	3,491	3,171	4,370	9,692
5	1,433	8,493	8,955	4,542	5,663	6,301	20,744	8,009	3,892	3,120	4,659	11,944
6	3,778	7,193	10,100	3,981	11,255	12,086	17,545	8,155	4,579	3,072	4,769	13,244
7	3,620	8,762	21,935	13,566	22,280	24,554	17,653	10,464	4,626	3,533	4,419	12,953
8	5,261	7,776	27,020	19,276	86,376	24,146	14,169	14,301	4,566	3,755	3,292	11,318
9	4,384	2,226	23,369	20,898	113,354	17,088	11,304	11,330	4,510	2,732	4,426	5,415
10	4,360	5,861	21,919	20,089	69,591	9,845	13,362	7,174	4,299	3,310	4,788	5,601
11	1,980	6,581	21,284	7,496	42,168	5,591	11,722	5,231	4,451	3,430	4,535	10,779
12	1,828	5,365	21,322	9,014	23,319	6,619	14,126	5,527		3,072	4,320	16,703
13	5,004	8,820	17,997	5,858	16,262	10,221	12,609	5,696	4,490	2,886	4,200	18,086
14	4,693	8,528	11,147	4,759	13,088	11,260	9,835	5,667	4,499	3,290	4,900	11,957
15	5,114	2,268	7,571	5,097	13,952	17,788	7,675	5,780		7,371	4,711	8,206
16	4,616	2,537	9,424	6,093	13,514	16,170	11,876	7,299		8,324	4,789	3,097
17	4,574	8,084	13,204	5,716	13,061	16,543	15,408	7,045	3,150	9,207	4,723	2,932
18	5,052	4,601	13,397	4,889	19,018	37,744	11,238	6,936	3,140	6,895	4,658	8,128
19	1,185	3,269	9,523	3,452	21,057	51,422	10,634	6,958	3,092	2,532	5,919	8,886
20	3,203	3,333	13,843	2,676	22,350	46,123	11,483	6,451	3,069	2,271	7,181	7,998
21	4,318	4,559	18,595	5,182	22,221	43,658	13,342	5,688	3,207	2,232	9,526	8,156
22	4,136	7,650	19,646	5,850	24,865	33,962		6,408	4,300	2,240	12,289	6,510
23	5,178	7,743	18,989	5,642	20,311	16,578	5,551	6,954	5,083	2,385	12,138	4,906
24	6,273	16,340	12,822	5,664	14,517	12,851	10,419	6,806	4,888	3,724	12,269	4,108
25	5,217	21,042	9,511	10,853	13,429	12,651	8,299	6,161	4,738	3,979	12,165	4,563
26	5,102	20,864	5,954	10,210	12,695	13,006	6,356	4,817	4,551	3,307	11,860	4,025
27	4,282	20,793	5,276	12,984	10,671	14,731	6,130	3,662	4,567	3,323	12,615	4,545
28	3,729		6,266	11,221	10,401	15,556	5,877	4,095	4,470	3,211	12,742	3,646
29	3,468	--	2,541	10,870	10,304	12,566	5,346	4,582	4,411	3,027	11,470	4,815
30	4,152	--	2,337	10,650	8,567	6,596	5,694	4,571	4,329		10,757	7,320
31	4,951	--	5,674	--	3,680	--	6,056	4,500	--	4,378	--	6,506

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Discharge for 2003 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5,309	2,829		6,724	11,102	4,121	22,315	7,436	5,016	4,174	4,456	6,866
2	11,614	3,026	6,888	5,117	9,760	5,289	45,344	5,048	5,192	3,633	4,422	10,324
3	5,449	1,887	7,841	3,828	7,995	5,379	30,644	7,232	4,395	3,302	4,400	8,905
4	2,438	3,692	9,768	4,056	9,334	5,645	21,767	5,722	4,482	3,550	4,418	11,551
5	2,509	5,409	9,609	3,615	6,680	7,039	21,462	9,036	3,367	3,616	4,489	13,694
6	2,970	6,445	11,879	4,609	11,873	12,902	17,455	8,038	3,700	3,334	4,406	12,632
7	3,022	9,749	20,448	13,147	21,512	22,162	17,294	10,814	4,178	3,270	5,265	12,516
8	5,201	8,374	25,266	20,861	83,192	24,116	15,634	13,190	4,566	3,317	4,680	11,785
9	4,324	2,316	24,743	22,713	118,588	17,506	13,174	10,672	4,450	2,091	4,097	5,707
10	4,001	4,874	21,771	19,389	70,873	10,886	12,138	8,360	4,089	5,497	2,642	3,939
11	2,578	7,598	22,306	5,573	38,657	6,670	10,210	4,194	4,780	6,569	3,422	10,517
12	3,524	4,916	21,439	8,924	24,703	4,080	13,737	5,378		7,684	4,271	16,295
13	3,935	8,372	16,618	5,379	16,758	10,670	13,178	5,547	4,221	7,662	4,660	16,414
14	5,052	8,140	9,771	5,117	13,905	12,883	11,197	6,325	4,499	7,717	2,556	13,745
15	4,755	3,465	7,810	5,486	11,136	15,447	7,646	5,810		6,787	2,357	9,956
16	4,258	3,404	9,424	5,375	13,694	18,395	11,082	7,030		8,737	603	2,455
17	5,142	8,587	13,951	6,045	14,531	18,526	14,302	7,493	3,587	10,320	988	2,698
18	3,676	3,948	13,158	5,487	18,026	32,609	11,836	7,696	3,286	5,637	1,336	5,943
19	2,501	3,179	11,034	2,734	19,352	53,755	10,066	7,337	2,975	5,135	2,380	8,766
20	3,502	4,075	11,375	2,437	23,188	46,854	12,500	5,810	3,156	1,822	6,704	8,597
21	3,571	3,548	21,122	7,235	22,789	41,372	9,055	6,504	3,295	1,796	8,359	8,545
22	3,777	7,889	19,821	6,871	23,878	34,710		5,475	2,123	1,829	12,468	7,157
23	5,088	8,573	17,424	5,350	22,589	18,234	4,413	6,808	5,382	2,918	12,617	4,935
24	6,213	14,822	13,716	5,227	15,158	11,943	7,719	6,571	5,366	2,756	12,688	3,700
25	4,410	21,191	8,677	9,974	12,029	12,112	9,825	6,280	4,854	3,326	13,460	3,368
26	5,521	22,262	5,415	10,270	11,475	13,066	6,445	5,254	4,464	3,646	12,064	5,102
27	5,538	20,352	5,066	13,483	11,598	14,342	6,486	4,595	4,478	3,444	11,653	3,738
28	4,208		5,877	11,308	11,073	14,509	6,461	3,220	4,201	3,525	12,801	3,436
29	3,289	--	3,079	10,404	10,012	14,151	5,112	3,370	4,171	3,535	11,820	5,712
30	6,262	--	2,606	10,825	7,619	9,175	5,286	4,631	4,240		11,020	7,850
31	9,182	--	5,615	--	3,261	--	5,697	4,230	--	4,451	--	7,555

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Minimum Reservoir Elevation for 2003

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	519.93	517.77		519.85	519.74	519.57	519.23	519.60	519.82	519.95	511.94	519.45
2	519.54	517.87	519.64	519.91	519.78	519.26	519.57	519.75	519.67	519.49	511.90	520.11
3	519.63	518.15	519.45	520.22	520.07	519.41	519.18	519.41	519.65	519.56	511.87	520.19
4	520.31	518.96	519.61	519.90	520.41	519.65	519.96	519.72	519.28	519.47	511.85	519.66
5	519.96	519.56	519.56	520.27	519.92	519.67	520.38	519.26	519.38	519.44	511.87	518.91
6	519.71	520.06	518.96	520.07	519.28	519.53	520.24	519.43	519.69	519.26	511.95	519.06
7	519.78	519.95	519.34	520.22	519.85	519.59	520.28	519.66	519.87	519.33	511.45	519.26
8	520.10	520.09	519.85	520.01	520.12	520.40	520.04	519.66	519.92	519.53	511.26	519.26
9	519.91	520.18	519.96	519.47	519.33	520.24	519.16	520.04	519.99	519.70	511.27	518.84
10	520.00	520.25	519.98	519.46	518.63	519.92	519.40	519.62	520.10	519.09	511.53	519.04
11	520.38	520.13	519.68	519.42	518.91	519.35	519.82	519.81	519.96	517.96	512.43	519.73
12	519.84	519.76	519.55	520.21	519.66	519.55	520.33	520.00	520.18	516.22	512.55	519.68
13	519.25	519.69	519.51	520.26	519.53	520.26	520.27	520.07	519.96	514.43	512.38	519.96
14	519.58	519.63	519.78	520.11	519.04	519.71	519.71	520.02	520.01	512.56	512.30	519.68
15	519.42	520.31	520.09	519.78	519.26	519.57	519.22	519.80	520.27	512.47	513.67	518.91
16	519.58	520.08	520.29	519.92	520.00	519.75	519.82	519.76		512.58	514.60	518.89
17	519.84	519.82	520.24	519.91	519.66	519.07	520.07	519.52	519.40	512.30	516.20	519.21
18	520.18	519.34	520.24	519.62	519.64	519.01	520.12	519.45	519.33	512.41	517.57	519.55
19	520.15	519.86	519.40	520.09	520.00	519.86	520.25	519.34	519.39	511.70	518.75	519.75
20	519.66	519.66	519.81	520.22	520.29	519.45	520.11	519.53	519.36	511.85	519.97	519.63
21	519.59	519.61	519.79	519.46	520.05	519.78	519.53	519.39	519.36	512.04	520.13	519.76
22	519.91	519.77	519.62	519.04	520.10	519.94	519.14	519.43	519.52	512.22	520.37	519.68
23	520.15	519.81	519.73	519.18	519.66	519.74	519.33	519.66	519.95	511.98	520.17	519.38
24	519.94	519.91	519.96	519.32	519.43	519.65	519.72	519.83	519.76	512.11	520.12	519.52
25	519.99	520.37	519.03	519.70	519.37	520.05	520.12	519.68	519.58	512.57	519.65	519.90
26	519.78	519.90	519.82	520.01	519.92	520.05	520.05	519.49	519.60	512.43	519.50	519.58
27	519.87	519.90	519.99	519.87	520.00	520.21	519.97	519.22	519.65	512.38	519.65	519.94
28	519.70	520.05	520.06	519.79	519.76	520.34	519.56	519.36	519.80	512.26	519.87	519.95
29	519.27	--	520.35	519.84	519.79	520.16	519.73	519.81	519.88	512.09	519.61	519.54
30	519.28	--	520.11	519.90	519.71	519.28	519.58	519.87	520.00	512.31	519.63	519.47
31	517.90	--	519.94	--	519.97	--	519.87	519.97	--	511.87	--	519.09

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Maximum Reservoir Elevation for 2003

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.60	518.48		520.76	520.08	520.62	520.76	520.80	520.86	520.90	513.33	520.56
2	520.53	518.44	520.54	520.62	520.70	520.26	520.99	520.53	521.06	520.39	513.29	520.92
3	520.42	519.36	520.66	520.84	520.60	520.38	520.12	520.45	520.61	520.34	513.26	520.75
4	520.77	520.00	520.41	520.87	520.79	520.53	520.68	520.51	520.32	520.26	513.19	520.90
5	520.50	520.68	520.52	520.80	520.66	520.67	520.62	520.84	520.03	520.30	513.21	519.67
6	520.57	520.96	520.32	520.85	520.29	520.51	520.48	520.78	520.37	520.07	513.26	519.37
7	520.64	520.93	519.88	520.79	520.27	520.48	520.53	520.84	520.60	520.02	513.11	519.52
8	520.89	520.90	520.44	520.62	521.39	520.80	520.59	520.34	520.78	520.24	512.72	519.79
9	520.81	520.59	520.44	520.25	521.18	520.55	520.04	520.58	520.74	520.31	512.32	519.54
10	520.76	520.70	520.12	519.79	519.58	520.37	520.35	520.61	520.83	520.39	512.92	519.73
11	520.82	520.95	520.03	520.36	520.90	519.92	520.63	520.29	520.87	519.68	513.58	520.21
12	520.54	520.81	519.68	520.76	520.18	520.48	520.50	520.76	520.79	518.55	513.58	520.26
13	520.36	520.66	520.30	520.84	519.72	520.44	520.46	520.83	520.79	516.80	513.58	520.52
14	520.43	520.84	520.57	520.80	519.54	520.26	520.27	520.92	520.81	514.94	513.67	520.62
15	520.62	520.91	520.74	520.89	520.45	520.50	519.94	520.61	520.84	513.70	514.60	520.14
16	520.44	520.56	521.00	520.79	520.49	520.74	520.75	520.55		513.27	516.20	519.58
17	520.76	520.68	520.75	520.83	520.46	519.75	520.53	520.62	520.20	513.27	517.57	519.82
18	520.91	520.35	520.72	520.70	520.00	520.81	520.85	520.83	520.13	512.93	518.75	520.38
19	520.74	520.46	520.70	520.70	520.63	520.86	520.45	520.61	520.12	513.28	519.97	520.63
20	520.46	520.30	520.64	520.72	520.57	520.07	520.60	520.60	519.99	512.56	520.38	520.78
21	520.44	520.46	520.98	520.79	520.34	520.55	520.34	520.51	520.12	512.64	520.74	520.84
22	520.57	520.62	519.79	520.35	520.43	520.59	519.84	520.30	520.26	512.85	520.82	520.58
23	520.95	520.56	520.26	520.04	520.61	520.35	519.96	520.58	520.78	512.95	520.75	520.11
24	520.99	520.73	520.72	520.06	519.80	520.05	520.63	520.75	520.73	513.04	520.51	520.08
25	520.91	520.56	520.24	520.26	519.92	520.52	520.70	520.80	520.55	513.59	520.26	520.63
26	520.92	520.37	520.62	520.72	520.49	520.60	520.62	520.51	520.54	513.46	519.82	520.48
27	520.82	520.32	520.72	520.30	520.41	520.76	520.33	520.24	520.62	513.48	520.10	520.43
28	520.69	520.64	520.83	520.10	520.14	520.77	520.17	520.14	520.71	513.41	520.21	520.67
29	520.15	--	520.82	520.00	520.24	520.77	520.58	520.42	520.78	513.28	520.05	520.46
30	520.27	--	520.55	520.06	520.21	520.45	520.28	520.88	520.85	512.31	520.14	520.45
31	519.64	--	520.69	--	520.77	--	520.65	520.91	--	513.26	--	520.29

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Inflow for 2004 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5,149	5,694	4,671	4,622	2,694	3,118	6,365	3,151	4,098	18,424	2,171	10,026
2	4,842	8,766	5,333	3,590	2,867	3,427	6,010	3,998	4,210	13,766	2,718	9,931
3	3,333	7,801	4,931	3,301	1,947	4,430	9,412	4,914	3,465	9,179	10,228	9,694
4	3,008	10,797	3,735	2,930	2,096	3,748	4,789	4,305	2,981	8,921	20,180	9,878
5	6,329	10,821	3,477	4,345	2,633	1,848	4,778	5,620	3,421	6,018	15,637	9,399
6	5,763	13,896	4,325	2,116	1,862	2,280	3,707	5,201	5,505	5,116	6,295	10,304
7	6,314	13,069	4,222	2,419	1,494	3,142	5,149	3,571	12,027	4,724	5,926	10,262
8	6,837	11,864	4,555	3,995	1,635	3,366	4,897	3,477	13,063	5,177	6,602	10,036
9	6,715	11,110	5,115	4,324	1,164	3,327	4,083	3,679	6,827	4,120	8,299	13,369
10	4,444	11,181	6,803	3,608	1,920	2,424	2,531	6,781	3,786	3,305	7,890	9,318
11	3,639	11,143	4,788	3,451	1,918	2,451	4,585	6,512	4,023	5,363	8,117	13,599
12	6,477	12,501	3,969	2,666	1,967	2,779	4,452	6,704	4,288	6,113	8,901	13,427
13	6,762	11,654	4,063	3,185	2,229	1,840	4,485	5,310	4,791	6,444	4,160	13,315
14	7,474	12,512	4,084	5,765	2,049	2,919	3,840	2,585	5,082	4,550	5,158	13,212
15	6,857	12,369	1,961	5,067	1,225	2,803	3,682	2,446	7,271	4,101	6,316	12,990
16	6,904	12,009	3,903	4,151	969	1,451	2,790	2,926	19,452	1,554	5,922	13,091
17	4,126	11,416	3,493	4,849	2,262	1,448	2,396	3,645	31,457	3,890	7,842	11,873
18	3,923	11,419	4,217	3,310	2,919	3,101	4,591	2,959	27,884	5,560	6,112	11,290
19	7,126	11,033	3,018	5,755	2,494	2,234	3,736	3,582	24,957	6,676	5,583	11,124
20	6,844	6,492	3,036	3,757	2,577	1,451	4,059	3,811	22,571	6,816	5,831	10,738
21	5,750	3,607	3,258	3,095	3,200	2,724	4,127	3,296	18,377	4,517	6,274	9,481
22	7,028	4,895	4,345	3,629	1,955	2,434	3,343	2,653	13,090	4,828	8,456	8,080
23	4,836	6,847	5,115	3,014	1,705	2,416	4,177	3,885	9,411	2,319	10,205	12,388
24	3,966	4,666	3,704	2,973	2,807	2,118	3,535	4,750	9,012	1,503	18,504	15,582
25	3,313	5,240	3,409	3,165	2,517	1,968	1,669	5,745	8,795	2,039	21,323	16,430
26	7,008	6,527	2,434	2,698	2,702	1,940	3,952	3,635	9,027	2,307	20,636	15,802
27	7,710	6,987	2,161	3,531	2,112	2,150	3,335	4,838	9,414	2,254	19,511	15,939
28	5,570	5,235	1,823	3,484	2,223	2,063	5,211	1,254	10,953	2,436	18,997	13,089
29	8,606	5,252	2,956	2,870	1,829	1,982	4,441	1,356	14,951	2,419	17,420	12,833
30	6,610	--	3,426	3,085	1,801	5,465	4,650	4,506	20,388	2,286	12,929	11,575
31	5,236	--	3,259	--	2,417	--	3,381	4,039	--	2,308	--	9,888

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Discharge for 2004 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3,061	5,636	5,688	4,174	2,514	3,118	8,322	2,972	3,649	18,803	1,693	10,684
2	5,171	8,618	5,004	3,590	2,658	3,338	3,965	3,998	3,822	14,670	2,359	10,021
3	2,106	8,241	5,290	3,032	2,695	3,951	7,216	4,077	4,692	9,733	10,886	10,049
4	2,799	9,909	3,944	2,930	2,395	3,748	4,669	4,664	4,080	6,157	19,970	9,965
5	6,539	11,121	4,278	4,674	2,543	1,938	4,329	5,051	2,500	6,287	16,295	9,516
6	6,570	15,535	4,267	2,206	2,394	2,100	4,544	4,662	10,954	4,369	6,295	9,655
7	6,673	11,490	3,538	2,329	2,048	3,710	4,133	3,092	11,714	4,066	5,478	11,173
8	6,657	11,894	3,598	2,889	2,101	3,635	4,419	4,045	11,870	6,673	7,881	9,569
9	6,446	11,230	5,474	3,875	1,251	3,327	4,652	4,337	5,553	3,373	8,124	10,771
10	3,757	11,560	7,431	3,787	2,737	2,992	3,458	7,319	2,066	2,857	7,533	11,471
11	3,370	10,704	5,558	3,720	1,189	2,628	4,406	6,243	2,057	5,901	8,027	12,642
12	7,464	12,232	4,202	3,773	1,150	1,765	3,973	6,884	4,647	5,186	8,423	13,427
13	6,463	12,101	3,030	2,766	1,587	1,660	4,395	4,293	5,000	8,118	3,981	13,524
14	7,385	12,424	3,635	6,154	1,779	2,440	4,408	2,197	6,655	4,550	4,500	13,212
15	7,216	12,339	4,114	3,990	1,225	3,372	4,039	2,446	9,604	4,011	7,513	13,169
16	6,993	11,799	2,707	4,839	1,239	1,362	3,811	4,062	19,824	1,015	6,310	13,181
17	4,306	11,117	2,417	4,490	1,783	2,730	2,746	3,376	26,969	3,591	7,094	12,531
18	4,252	11,629	3,111	4,297	2,650	2,657	3,396	3,318	27,944	4,514	6,202	11,759
19	6,228	11,123	3,676	5,307	2,315	1,666	3,115	3,223	25,555	6,407	6,152	11,853
20	7,591	4,578	3,125	4,116	2,278	2,019	4,149	3,332	23,020	7,863	5,741	9,718
21	5,840	4,444	2,630	3,484	2,572	2,245	4,366	3,386	18,108	4,427	5,616	8,467
22	6,968	4,625	4,644	3,449	1,477	2,345	4,277	2,474	14,122	5,486	8,157	8,738
23	4,806	7,833	5,444	2,715	1,705	2,236	3,004	4,154	12,484	2,200	12,539	11,252
24	3,308	5,264	3,824	2,973	3,166	2,387	2,697	4,660	6,027	2,251	19,583	15,582
25	3,702	4,762	3,768	3,255	2,996	2,626	1,460	5,266	7,884	2,249	19,953	17,835
26	11,294	6,587	3,566	2,698	3,181	2,292	3,863	4,502	9,938	2,486	21,453	15,623
27	6,270	6,837	2,278	3,531	2,560	2,062	4,651	4,359	10,318	3,627	21,760	17,752
28	4,520	4,996	2,173	3,215	2,313	2,150	5,061	2,271	10,136	2,990	17,214	12,010
29	5,554	4,235	2,402	2,959	1,560	2,536	4,855	2,012	15,593	1,486	15,171	12,658
30	6,939	--	3,099	2,906	1,173	6,573	4,854	3,312	19,018	1,382	12,152	12,304
31	6,968	--	3,289	--	2,956	--	3,002	3,920	--	1,471	--	8,511

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Minimum Reservoir Elevation for 2004

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	519.12	519.70	520.04	519.78	519.87	519.81	518.50	519.50	519.94	519.75	520.28	519.66
2	519.64	519.58	519.95	520.08	520.09	519.69	518.66	519.45	520.16	519.56	520.44	519.72
3	520.12	519.38	520.05	520.07	520.03	519.87	519.37	519.81	519.81	519.37	520.28	519.62
4	520.10	519.88	519.57	520.05	519.94	520.09	519.72	519.72	519.84	519.31	520.25	519.59
5	519.85	520.03	519.40	519.62	519.81	520.31	519.94	520.03	519.84	520.03	520.12	519.56
6	519.82	519.25	519.37	519.91	519.66	520.25	519.56	520.06	518.34	520.09	519.81	519.75
7	519.82	519.52	519.61	519.94	519.50	519.94	519.78	520.44	518.12	520.22	520.03	519.71
8	519.68	519.55	520.10	520.20	519.37	519.72	520.06	520.16	518.45	519.81	519.69	519.59
9	519.85	519.69	520.02	520.19	519.44	519.75	519.78	519.72	518.81	520.19	519.81	519.66
10	520.10	519.74	519.80	520.33	518.91	519.59	519.78	519.47	519.31	520.41	519.72	519.75
11	520.26	519.67	519.53	520.30	519.22	519.59	519.47	520.06	519.90	520.00	519.84	520.09
12	519.87	519.75	519.48	519.76	519.34	519.84	519.56	520.09	520.19	520.37	519.87	520.16
13	519.80	519.70	519.82	520.11	519.69	520.06	519.62	519.94	520.03	519.91	520.12	520.16
14	519.75	519.66	520.00	519.49	519.81	520.09	519.59	520.19	519.84	519.69	520.34	520.16
15	519.89	519.67	519.35	520.04	520.00	519.97	519.50	520.19	519.04	520.00	519.78	520.09
16	519.66	519.69	519.59	520.05	519.94	520.28	519.09	519.69	518.19	520.19	519.72	520.03
17	519.97	519.65	519.92	520.25	519.66	519.75	519.28	519.75	518.91	520.06	519.75	519.78
18	519.91	519.65	520.30	519.59	519.69	519.69	519.50	519.69	520.42	520.44	519.91	519.62
19	519.30	519.62	520.30	519.72	519.81	519.87	519.59	519.72	520.09	520.72	519.66	519.41
20	519.72	520.08	520.04	519.74	520.00	519.91	519.66	519.81	520.07	520.41	519.59	519.56
21	519.70	520.10	520.22	519.75	520.34	519.69	519.78	519.98	520.00	520.44	519.91	519.97
22	519.46	520.13	520.31	519.66	520.47	519.94	519.09	519.97	519.81	520.06	519.81	519.69
23	519.64	519.76	520.15	519.69	520.47	519.87	519.59	520.00	518.53	520.31	519.62	520.09
24	520.02	519.75	520.07	519.87	520.09	519.94	519.84	520.00	518.75	520.09	519.22	520.47
25	519.91	519.55	520.31	519.69	520.00	519.75	520.12	520.34	519.78	520.09	519.25	520.00
26	518.59	519.59	519.85	519.81	519.84	519.81	519.78	519.91	519.78	520.03	519.44	520.00
27	517.91	519.84	519.70	519.66	519.78	519.60	519.47	520.03	519.34	519.56	518.66	519.44
28	518.68	519.54	519.64	520.06	519.72	519.69	519.37	520.12	519.47	519.28	518.31	519.44
29	519.25	519.99	519.69	519.87	519.87	519.34	519.53	519.84	519.28	519.37	519.22	519.66
30	520.17	--	519.85	520.00	520.06	519.34	519.34	519.72	519.53	519.69	519.97	519.50
31	519.68	--	519.69	--	519.81	--	519.50	519.94	--	520.00	--	519.66

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Maximum Reservoir Elevation for 2004

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.23	520.62	520.80	520.46	520.53	520.47	519.72	520.16	520.69	520.06	520.53	520.81
2	520.45	520.50	520.65	520.71	520.75	520.56	519.37	520.19	520.84	520.09	520.62	520.59
3	520.67	520.30	520.70	520.54	520.72	520.62	520.25	520.41	520.87	519.56	520.87	520.56
4	520.88	520.57	520.51	520.68	520.59	520.69	520.66	520.69	520.69	520.37	520.41	520.37
5	520.83	520.80	520.49	520.37	520.50	520.72	520.59	520.75	520.50	520.44	520.47	520.41
6	520.87	520.65	520.43	520.35	520.28	520.75	520.47	520.81	520.31	520.47	520.59	520.34
7	520.83	520.28	520.38	520.42	520.12	520.66	520.44	520.94	518.45	520.69	520.91	520.62
8	520.53	520.76	520.75	520.93	519.97	520.50	520.72	520.81	518.97	520.84	520.66	520.32
9	520.77	520.62	520.76	520.92	519.75	520.41	520.87	520.69	519.50	520.84	520.25	520.44
10	520.68	520.60	520.90	520.91	519.69	520.41	520.78	520.84	519.90	520.91	520.31	520.75
11	520.82	520.54	520.44	520.82	519.53	520.22	520.37	520.84	520.56	520.59	520.44	520.81
12	520.75	520.66	520.17	520.76	519.78	520.31	520.44	520.81	520.91	520.72	520.50	520.94
13	520.66	520.79	520.48	520.62	520.12	520.50	520.62	520.78	520.81	520.72	520.91	520.75
14	520.75	520.71	520.78	520.61	520.31	520.72	520.59	520.78	520.69	520.50	520.91	520.81
15	520.58	520.70	520.41	520.69	520.31	520.78	520.34	520.87	520.22	520.53	520.72	520.81
16	520.53	520.74	520.00	520.81	520.25	520.62	520.22	520.78	519.04	520.56	520.50	520.78
17	520.65	520.69	520.36	520.89	520.16	520.59	519.94	520.69	520.44	520.50	520.56	520.72
18	520.55	520.61	520.93	520.55	520.37	520.37	520.28	520.59	520.78	520.82	520.75	520.59
19	520.39	520.74	520.86	520.59	520.50	520.34	520.31	520.47	520.42	520.92	520.59	520.41
20	520.73	520.72	520.71	520.75	520.66	520.44	520.41	520.69	520.31	520.91	520.53	520.25
21	520.53	520.91	520.75	520.53	520.81	520.25	520.37	520.75	520.25	520.69	520.56	520.69
22	520.46	520.88	520.92	520.53	520.78	520.59	520.22	520.66	520.44	520.59	520.69	520.72
23	520.48	520.83	520.91	520.44	520.97	520.47	520.09	520.78	519.81	520.75	520.72	520.66
24	520.72	520.47	520.81	520.62	520.97	520.56	520.37	520.72	519.82	520.66	519.69	520.84
25	520.73	520.34	520.93	520.59	520.84	520.44	520.53	520.72	520.59	520.41	519.72	520.47
26	520.73	520.58	520.58	520.53	520.62	520.34	520.66	520.78	520.72	520.19	519.75	520.59
27	519.26	520.54	520.10	520.56	520.47	520.09	520.69	520.66	520.12	520.03	519.44	520.47
28	519.62	520.54	520.10	520.72	520.31	520.12	520.44	520.78	519.97	519.75	519.28	520.09
29	520.65	520.66	520.19	520.53	520.31	520.03	520.47	520.41	520.41	519.75	520.05	520.16
30	520.89	--	520.48	520.53	520.46	519.91	520.25	520.37	520.00	520.06	520.69	520.19
31	520.89	--	520.45	--	520.56	--	520.31	520.59	--	520.37	--	520.44

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Inflow for 2005 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9,905	11,018	18,156	48,025	10,992	8,441	3,355	7,439	9,094	3,319	1,716	7,776
2	8,477	11,545	17,255	38,131	10,871	9,369	4,333	7,007	7,751	1,947	2,138	6,146
3	8,807	11,326	16,868	27,421	9,554	11,767	3,071	10,536	3,842	4,629	2,324	4,336
4	6,578	9,963	11,018	25,457	7,108	6,372	5,029	7,548	3,317	3,155	2,230	4,196
5	4,317	5,038	10,835	24,320	6,082	5,567	5,651	6,920	5,064	2,942	1,297	6,535
6	3,867	3,370	9,699	22,050	5,672	6,544	7,856	5,203	6,010	3,437	2,398	8,817
7	5,513	7,703	8,130	20,820	5,012	5,697	27,320	4,968	5,529	4,027	2,706	9,754
8	6,220	11,057	8,872	15,948	4,966	6,982	44,758	6,741	4,624	2,767	3,308	11,477
9	6,187	12,526	10,423	11,040	4,884	10,209	43,501	10,642	4,093	3,129	1,900	11,063
10	4,938	12,730	10,893	8,192	5,425	11,646	26,267	12,936	2,606	2,813	4,185	9,940
11	6,010	11,704	6,969	8,375	6,172	18,061	42,668	18,397	3,809	2,476	4,144	9,973
12	6,601	5,756	7,145	11,513	6,125	15,897	48,144	19,007	4,100	1,965	4,185	8,691
13	9,033	4,256	6,078	11,394	5,909	6,171	45,721	17,535	5,017	4,372	4,168	9,106
14	12,562	8,482	7,962	8,644	3,900	7,209	48,718	11,383	7,226	2,539	4,501	2,523
15	12,322	8,846	10,923	7,857	3,431	7,773	50,144	17,700	4,248	2,101	4,849	5,000
16	9,098	8,822	12,921	4,658	5,643	8,621	41,101	16,141	3,956	1,202	5,317	5,648
17	8,044	8,760	12,635	4,772	5,392	8,452		11,361	4,567	2,031	5,014	6,387
18	8,227	7,287	10,514	7,829	6,378	8,275		11,226	2,192	3,813	5,105	7,460
19	8,233	4,844	6,811	8,932	6,517	7,900	14,579	10,321	5,415	2,159	5,067	7,428
20	8,421	2,789	5,190	8,201	6,020	9,006	13,934	10,473	2,915	2,628	5,288	7,246
21	7,434	7,857	6,145	8,301	5,991	6,820	20,805	10,324	4,663	2,935	5,911	6,173
22	4,187	11,873	7,153	8,335	4,103	6,607	11,687	10,343	4,350	1,718	6,713	4,925
23	4,066	11,715	9,116	7,946	5,183	6,544	10,929	10,341	5,126	1,129	7,278	5,050
24	7,483	13,337	12,603	6,798	4,335	6,279	8,538	7,331		3,456	7,919	4,911
25	6,872	13,091	15,354	7,455	5,543	6,839	7,453	1,906		2,036	7,988	5,261
26	5,971	11,922	18,569	7,983	4,929	4,977	6,543	4,141	4,641	2,502	7,678	5,464
27	5,693	11,711	27,158		4,182	5,190	6,410	10,051	6,149	5,358	7,847	5,412
28	6,394	15,051	30,537	10,916	5,282	5,827	6,953	9,992	6,661	1,869	8,145	5,080
29	6,400	--	38,167	10,631	4,037	5,562	8,037	5,992	6,539	1,533	8,266	5,955
30	4,654	--	30,750	9,798	3,113	4,678	11,043	5,949	6,368	862	7,856	7,060
31	8,302	--	44,112	--	7,445	--	8,027	8,453	--	2,193	--	

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Discharge for 2005 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10,553	10,540	19,826	51,176	11,111	7,933	5,030	8,081	8,436	3,669	1,522	8,823
2	8,740	11,366	15,675	38,044	11,977	11,044	3,586	7,648	9,067	3,317	1,655	7,871
3	9,537	11,147	17,047	26,050	12,925	11,947	3,460	9,632	5,562	4,887	2,106	5,357
4	4,190	9,215	12,506	24,332	8,444	6,103	6,241	6,067	3,434	8,262	2,230	2,534
5	3,928	4,948	9,167	25,532	3,213	5,267	5,097	6,741	4,335	9,951	1,805	6,914
6	3,598	3,640	9,609	22,867	2,998	6,364	8,119	4,993	4,989	8,092	1,890	8,525
7	5,214	9,460	8,130	19,625	5,191	6,445	24,815	5,716	5,704	3,664	377	8,284
8	6,968	9,837	8,872	16,240	4,607	9,276	44,668	8,417	5,265	2,912	1,481	10,640
9	7,293	11,808	11,440	10,484	4,794	7,916	44,069	10,263	4,472	2,766	1,491	11,362
10	4,968	12,909	11,925	7,922	5,784	12,568	25,968	13,023	3,044	3,635	1,713	9,850
11	4,993	11,973	5,398	8,996	6,351	18,878	44,552	16,474	2,817	2,403	1,446	11,634
12	5,644	4,560	5,829	11,892	6,335	15,897	47,486	20,785	4,916	2,957	2,660	9,595
13	10,349	5,572	5,898	11,860	5,909	4,342	48,571	17,594	5,308	2,920	3,116	8,114
14	12,083	9,499	10,737	7,087	4,259	6,551	46,881	10,654	4,910	2,926	2,485	2,231
15	12,621	9,023	10,836	7,737	4,422	9,179	48,863	16,773	5,368	1,787	2,539	3,150
16	9,667	8,822	13,475	4,479	6,284	9,440	42,382	16,499	4,947	1,735	2,392	6,665
17	9,307	8,935	11,637	4,413	4,138	9,298		12,191	3,197	2,418	3,399	6,865
18	8,781	8,016	9,945	8,009	5,820	8,975		10,963	3,212	2,748	4,926	8,194
19	8,874	3,015	7,379	10,559	6,427	7,812	14,011	10,052	5,502	2,764	5,455	7,778
20	6,963	2,400	4,442	7,322	6,020	10,275	12,917	10,918	4,631	2,943	5,377	7,887
21	6,703	8,605	6,324	8,122	4,675	5,289	20,236	10,237	3,413	2,548	6,181	6,173
22	3,918	12,439	7,961	8,514	3,356	6,315	14,195	10,810	3,329	1,863	7,371	6,381
23	5,329	10,401	8,309	6,540	6,768	6,106	11,571	11,070	3,711	2,572	7,458	3,973
24	6,754	13,068	13,261	6,798	5,636	6,191	7,363	7,040		2,546	9,391	3,074
25	6,960	13,480	16,174	8,472	5,893	5,642	7,243	2,636		2,423	9,358	4,157
26	6,263	12,371	16,821	8,726	5,483	5,621	7,111	4,986	3,983	1,655	7,328	7,209
27	5,781	12,544	26,410		4,999	5,365	6,789	9,584	6,717	2,611	7,847	6,112
28	6,015	13,380	31,554	11,006	4,466	4,171	6,953	9,088	7,020	2,566	7,328	5,576
29	5,121	--	40,725	10,895	2,400	4,246	7,299	6,984	7,285	2,375	6,679	5,401
30	4,744	--	28,760	8,397	3,380	4,947	11,133	5,307	7,389	2,386	7,108	5,421
31	9,139	--	43,155	--	5,264	--	8,471	6,250	--	1,733	--	

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Minimum Reservoir Elevation for 2005

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	519.75	520.00	519.94	519.34	520.31	520.03	519.62	519.28	520.22	519.06	511.97	519.84
2	519.78	520.06	519.84	519.12	519.81	520.16	520.10	519.22	519.87	518.84	512.28	519.31
3	519.31	520.06	520.31	519.37	518.81	520.19	519.84	519.34	519.06	518.59	512.37	518.91
4	519.53	519.91	519.75	519.84	518.28	519.80	519.22	519.75	518.84	516.94	512.59	519.19
5	520.34	520.47	519.78	519.81	518.37	519.91	519.34	519.72	519.25	514.47	512.56	519.37
6	520.41	520.41	519.78	519.50	519.37	520.00	519.59	519.75	519.62	512.50	512.62	519.34
7	520.41	519.72	519.81	519.53	519.91	519.97	519.91	519.56	519.66	511.86	512.87	519.47
8	520.16	519.91	519.87	519.69	520.06	519.47	520.72	519.53	519.47	512.56	513.81	520.16
9	519.87	520.32	520.09	519.84	519.97	519.47	520.59	519.59	519.28	512.44	514.37	519.91
10	519.87	520.44	519.66	519.22	519.81	519.94	520.09	519.72	519.03	511.94	514.69	520.34
11	519.81	520.28	519.50	519.66	519.87	519.66	520.00	519.72	519.41	511.89	515.64	519.69
12	520.25	519.72	520.09	519.72	519.87	519.59	520.06	519.77	519.16	511.62	516.65	519.16
13	520.22	520.16	520.19	519.50	520.00	519.66	519.06	519.66	518.91	512.00	517.19	518.66
14	520.25	519.49	519.87	519.19	519.44	519.91	519.31	519.75	519.37	512.34	517.59	518.84
15	520.31	519.34	519.87	519.59	519.06	520.00	519.94	520.00	519.44	512.34	518.31	519.62
16	519.72	519.47	519.69	519.84	518.75	519.72	519.94	520.03	519.03	512.37	519.12	519.97
17	519.41	519.50	519.75	520.03	519.22	519.46	519.81	519.81	519.44	512.06	519.91	519.75
18	519.25	519.25	520.09	520.28	519.62	519.19	519.94	519.91	519.22	512.31	520.34	519.78
19	519.00	519.66	519.72	519.62	519.50	519.22	520.06	519.94	519.12	511.87	520.25	519.47
20	519.28	520.09	520.03	519.76	519.41	518.78	520.25	519.91	518.66	511.91	520.28	519.28
21	519.22	519.66	519.81	520.06	520.09	518.81	520.59	519.91	518.62	511.98	520.16	519.34
22	519.53	519.87	519.59	520.00	520.22	519.34	519.75	519.75	519.12	512.06	520.06	518.87
23	519.62	519.97	519.72	519.87	519.91	519.44	519.56	519.50	519.53	511.75	519.97	518.91
24	519.37	520.41	519.94	520.03	519.28	519.28	519.72	519.53	520.20	511.87	519.50	519.16
25	519.56	520.31	519.59	519.66	519.16	519.62	519.87	519.31	520.25	511.30	519.00	519.97
26	519.34	520.12	519.78	519.72	518.91	519.59	519.69	519.00	519.97	511.92	519.09	519.62
27	519.53	519.91	520.22	519.94	518.69	519.22	519.59	519.00	519.69	512.91	519.00	519.22
28	519.47	519.94	520.03	519.97	519.06	519.66	519.62	519.28	519.69	512.56	519.25	519.03
29	519.62	--	519.41	519.84	519.47	520.28	519.53	519.00	519.53	512.87	519.62	519.00
30	520.16	--	519.16	519.94	519.56	520.12	519.69	519.00	519.12	512.22	520.09	519.53
31	519.66	--	520.09	--	519.97	--	519.66	519.47	--	511.70	--	519.87

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Maximum Reservoir Elevation for 2005

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.41	520.41	520.69	520.41	520.72	520.87	520.84	520.53	520.81	520.06	512.58	520.78
2	520.47	520.34	520.47	519.41	520.56	520.94	520.78	520.03	520.78	519.78	512.84	520.44
3	520.19	520.72	520.69	519.84	520.22	520.87	520.53	520.09	520.25	519.66	512.94	519.72
4	520.34	520.69	520.59	520.28	519.22	520.69	520.41	520.81	519.69	519.06	513.09	519.97
5	520.94	520.94	520.53	520.25	519.41	520.78	520.25	521.00	519.66	517.28	513.06	519.94
6	520.81	520.87	520.66	519.81	520.28	520.87	520.50	520.75	520.19	514.91	513.06	520.00
7	520.97	520.59	520.70	520.00	520.91	520.94	520.75	520.72	520.53	513.06	513.81	520.19
8	520.91	520.50	520.78	519.94	520.91	520.78	520.78	520.62	520.34	513.53	514.53	520.75
9	520.50	520.81	520.75	520.44	520.84	520.50	520.87	520.06	520.03	513.34	514.69	520.81
10	520.37	520.91	520.34	520.12	520.91	520.41	520.69	520.30	519.78	513.25	515.64	520.97
11	520.41	520.62	520.34	520.41	520.87	519.97	520.78	520.37	520.41	512.62	516.65	520.54
12	520.69	520.81	520.78	520.19	520.81	519.81	520.81	520.37	519.91	512.66	517.21	519.97
13	520.91	520.81	520.91	520.06	520.91	520.31	520.28	519.91	519.91	512.72	517.59	519.78
14	520.75	520.47	520.91	520.15	520.34	520.59	519.94	520.19	520.62	512.97	518.31	519.94
15	520.62	520.41	520.44	520.44	520.25	520.87	520.37	520.31	520.62	513.03	519.12	520.56
16	520.59	520.37	520.22	520.44	520.06	520.62	520.37	520.41	520.22	513.03	520.12	520.72
17	520.59	520.44	520.22	520.56	519.87	520.44	520.50	520.78	519.91	512.94	520.66	520.50
18	520.31	520.19	520.47	520.72	520.06	520.09	520.72	520.97	520.06	512.94	520.94	520.47
19	520.09	520.44	520.41	520.75	520.25	520.00	520.56	520.84	520.12	512.91	520.94	520.19
20	519.87	520.59	520.62	520.75	520.47	519.69	520.59	520.91	519.94	512.97	520.94	520.06
21	520.16	520.53	520.66	520.97	520.84	519.41	520.91	520.75	519.41	512.81	520.81	519.84
22	520.50	520.78	520.56	520.94	520.91	519.97	520.78	520.66	519.72	512.81	520.75	519.72
23	520.44	520.53	520.44	520.53	520.91	520.06	520.28	520.44	520.20	512.81	520.62	519.34
24	520.16	520.75	520.91	520.78	520.50	520.12	520.56	520.84	521.00	512.59	520.50	519.97
25	520.15	520.75	520.28	520.81	520.28	520.81	520.72	520.06	520.91	512.34	520.09	520.94
26	520.28	520.66	520.47	520.53	520.09	520.78	520.69	519.69	520.69	513.44	519.56	520.56
27	520.28	520.44	520.69	520.62	519.94	520.00	520.53	519.34	521.00	513.75	519.62	520.11
28	520.28	520.50	520.62	520.84	520.22	520.31	520.41	519.75	520.84	513.56	519.69	519.66
29	520.50	--	520.78	520.72	520.06	520.84	520.47	519.62	520.59	513.37	520.16	519.62
30	520.91	--	520.09	520.91	520.44	520.99	520.91	519.75	520.34	513.00	520.59	520.09
31	520.50	--	521.00	--	520.70	--	520.94	520.44	--	512.50	--	520.44

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Inflow for 2006 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		8,043	12,789	4,406	7,568	2,826	2,643	3,867	2,170	1,001	1,968	6,350
2	7,761	5,908	9,703	4,343	6,495	3,038	2,649	3,729	938	3,015	2,089	4,432
3	7,901	5,695	7,791	4,560	5,013	3,458	2,588	3,300	775	2,558	2,356	3,957
4	9,114	5,685	6,716	5,074	5,087	3,195	2,788	3,615	1,176	3,055	1,772	5,695
5	10,169	5,373	6,896	5,605	5,593	2,893	2,660	1,761	2,816	3,605	1,564	5,276
6	9,388	5,815	6,964	5,673	6,162	2,997	2,625	969	3,008	3,449	2,716	4,860
7	8,690	5,660	6,123	5,658	6,460	2,891	2,529	2,777	3,001	1,931	2,510	3,547
8	8,224	9,644	5,438	8,065	6,467	2,700	1,511	2,481	3,055	1,205	1,648	4,011
9	7,772	14,236	5,476	7,129	6,555	2,305	1,577	2,036	1,948	3,364	2,031	3,654
10	6,714	13,639	5,973	5,665	8,243	1,764	1,405	1,560	880	3,080	1,986	2,653
11	5,668	11,071	5,799	4,227	9,073	1,598	1,415	2,150	2,187	3,666	1,004	4,014
12	5,089	10,750	5,765	3,540	7,571	1,723	1,826	872	2,147	3,289	887	4,045
13	5,227	9,116	5,361	3,346	6,875	1,557	2,498	915	2,387	3,710	2,677	3,376
14	5,057	6,374	5,893	3,734	6,768	1,948	1,918	1,742	2,616	1,880	3,334	3,232
15	4,989	5,648	5,482	4,251	6,655	2,762	1,390	2,024	2,268	736	8,451	3,793
16	5,154	4,820	5,346	4,198	5,557	2,568	1,347	1,751	943	3,112	12,460	1,514
17	6,819	4,293	5,596	4,209	4,449	2,753	1,374	1,458	1,468	1,539	14,162	1,797
18	9,045	4,564	5,401	4,059	4,305	2,705	1,739	1,306	2,473	3,138	9,238	2,408
19	12,950	4,470	5,550	4,494	3,480	2,785	2,525	843	2,540	3,098	7,698	1,995
20	15,849	4,640	5,666	4,314	3,084	2,669	2,543	739	2,670	3,754	4,990	2,125
21	16,898	4,650	22,130	4,323	3,139	2,822	2,649	2,054	2,493	1,429	6,602	2,349
22	14,565	4,587	14,918	4,596	3,122	2,968	2,904	2,433	2,288	1,729	6,328	3,152
23	9,430	7,008	8,544	4,404	3,432	4,545	3,441	2,851	2,712	1,297	5,915	3,095
24	7,845	8,405	6,838	5,635	4,290	4,697	3,801	2,929	2,178	3,881	6,891	3,711
25	7,816	9,818	3,842	7,403	4,172	4,724	4,176	3,351	2,312	3,062	3,190	5,903
26	9,382	12,207	7,438	7,452	4,021	4,906	3,584	1,112	2,915	3,125	2,774	5,652
27	11,080	12,849	9,998	7,618	4,154	4,954	2,822	699	2,973	3,673	4,162	4,497
28	11,353	13,650	9,923	7,613	4,005	4,459	3,741	2,210	4,114	2,580	6,641	4,863
29	11,646	--	8,092	7,567	4,083	3,956	2,547	3,044	4,324	1,609	6,359	4,568
30	11,377	--	5,838	7,513	3,439	3,362	4,074	2,932	1,920	2,786	6,602	2,019
31	10,390	--	5,348	--	2,939	--	4,982	1,647	--	2,921	--	2,987

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Discharge for 2006 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1		9,589	13,973	3,479	8,046	2,914	2,818	5,003	3,037	1,826	2,715	5,602
2	6,944	4,450	6,711	4,731	7,581	3,592	2,649	3,251	1,472	2,189	1,252	4,641
3	7,422	6,133	5,647	4,650	4,926	3,545	2,880	4,137	1,592	1,691	2,266	3,479
4	10,788	6,064	10,026	5,163	4,621	3,458	2,875	4,123	1,555	2,337	2,251	6,622
5	10,169	6,540	6,342	5,874	5,061	2,543	2,835	2,299	1,446	2,828	1,744	5,665
6	9,184	5,261	7,431	5,763	5,504	2,997	2,625	2,057	2,260	3,838	2,895	4,023
7	9,419	4,669	4,306	5,748	5,892	2,425	2,267	2,311	3,091	1,842	2,510	3,637
8	7,611	10,024	5,797	6,480	6,467	1,969	1,861	2,597	3,533	697	2,785	4,191
9	7,772	12,893	6,205	7,967	6,644	2,126	1,752	1,744	3,032	3,962	2,121	3,474
10	5,868	13,340	6,440	6,891	8,333	2,296	1,609	1,383	1,346	3,170	2,255	3,012
11	6,222	10,861	5,974	4,869	9,073	2,152	1,853	1,671	2,274	3,666	1,471	3,655
12	5,905	11,288	6,407	4,007	7,870	1,723	1,913	1,261	1,972	3,020	2,345	3,657
13	4,790	11,246	3,259	3,405	7,144	1,382	1,973	1,095	2,212	3,889	2,210	3,765
14	4,328	7,276	4,877	3,588	7,336	1,394	1,364	1,742	2,237	2,239	2,343	3,322
15	4,343	2,288	4,914	4,484	7,301	2,406	1,565	1,845	2,181	1,573	6,011	3,136
16	5,064	4,162	4,957	4,402	7,278	2,747	1,347	1,452	2,022	2,274	12,939	2,740
17	7,730	3,815	6,284	3,655	4,624	2,364	1,549	1,668	2,197	2,407	14,252	2,426
18	9,045	4,953	5,939	3,622	3,489	2,257	1,389	1,396	1,860	2,181	10,906	2,408
19	14,875	5,722	6,563	4,115	2,488	2,785	1,614	1,401	2,073	2,919	8,631	1,905
20	14,391	5,690	6,599	3,867	2,350	3,507	1,796	1,352	2,407	4,412	4,698	1,856
21	16,344	4,562	20,005	4,024	3,229	2,732	1,812	1,791	2,085	3,014	4,382	1,871
22	15,731	3,858	14,619	4,596	3,474	2,878	2,993	1,525	2,317	2,370	5,969	2,404
23	8,613	8,349	9,681	5,237	3,636	3,498	3,232	1,535	2,245	2,580	5,825	3,006
24	7,029	6,685	7,017	4,981	4,465	4,159	4,369	2,361	2,557	2,131	6,323	4,010
25	9,507	10,460	4,221	7,224	4,085	4,604	3,608	3,351	2,575	2,049	3,280	6,441
26	9,790	12,382	7,438	7,003	4,458	6,700	3,704	2,608	2,099	2,736	3,043	5,562
27	9,389	12,674	10,173	7,708	4,271	5,775	3,031	1,087	2,407	2,746	5,119	5,155
28	10,020	15,195	9,631	7,224	3,626	4,371	3,143	1,463	3,007	3,058	5,325	4,504
29	11,257	--	7,917	7,866	3,617	4,393	2,278	2,565	3,756	1,699	7,465	4,358
30	11,586	--	5,272	7,872	3,731	2,371	3,984	2,185	3,714	2,786	6,512	2,677
31	11,786	--	5,258	--	2,852	--	4,683	2,574	--	2,353	--	2,628

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Minimum Reservoir Elevation for 2006

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	519.72	519.19	518.84	520.19	520.03	519.62	519.75	519.78	519.84	519.81	520.19	520.19
2	519.72	519.34	518.84	520.28	519.72	519.50	519.75	519.97	519.94	519.37	520.44	520.44
3	519.97	519.41	519.87	520.34	519.47	519.41	519.69	519.81	519.66	520.12	520.69	520.37
4	519.47	519.25	519.47	520.25	519.69	519.31	519.62	519.81	519.47	520.16	520.56	520.00
5	519.47	518.94	519.47	520.16	519.84	519.44	519.56	519.91	519.44	520.25	520.50	519.91
6	519.37	518.87	519.50	520.09	520.09	519.47	519.59	519.69	519.78	520.28	520.12	520.00
7	519.19	519.28	519.50	520.03	520.31	519.59	519.69	519.44	519.87	520.69	520.22	520.06
8	519.31	519.47	519.97	520.16	520.37	519.78	519.59	519.56	520.01	520.78	519.84	520.06
9	519.44	519.56	519.50	520.28	520.31	520.00	519.53	519.62	519.66	520.37	519.84	520.31
10	519.56	520.02	519.34	519.94	520.19	519.81	519.56	519.91	519.50	520.31	519.75	520.16
11	519.62	520.03	519.25	519.75	520.37	519.62	519.41	520.00	519.06	520.19	519.81	520.03
12	519.19	519.84	519.06	519.44	520.22	519.50	519.25	520.06	519.31	520.25	519.28	520.34
13	519.41	519.28	519.28	519.47	520.06	519.72	519.41	519.94	519.31	520.22	519.12	520.28
14	519.59	518.75	520.03	519.56	519.97	519.78	519.59	519.72	519.47	520.66	519.06	520.25
15	519.84	518.97	520.25	519.34	519.78	519.94	519.72	519.81	519.37	520.38	519.50	520.47
16	519.81	520.09	520.47	519.31	519.25	519.91	519.72	519.91	519.41	520.09	520.28	520.28
17	519.75	520.28	520.16	519.50	519.03	520.03	519.66	519.94	519.00	520.28	520.47	519.91
18	519.62	520.12	520.06	519.66	519.19	520.16	519.66	520.00	518.91	520.00	519.72	519.94
19	519.12	519.81	519.72	519.81	519.47	520.09	519.78	519.87	519.31	520.19	519.47	519.87
20	518.94	519.50	519.41	519.97	519.81	519.84	520.09	519.66	519.25	520.22	519.12	519.97
21	519.62	519.41	519.62	520.06	519.81	519.84	520.34	519.31	519.31	519.94	519.56	520.06
22	519.41	519.56	520.00	520.03	519.72	519.84	520.47	519.69	519.37	519.69	520.06	520.44
23	519.16	519.41	520.06	519.75	519.59	520.09	520.47	519.97	519.47	519.22	520.16	520.12
24	519.56	519.41	519.84	519.94	519.56	520.31	520.37	520.19	519.53	519.34	520.22	520.16
25	519.39	519.78	519.69	520.06	519.56	520.34	520.09	520.16	519.44	519.94	520.47	520.16
26	519.00	519.72	519.84	520.19	519.44	519.97	520.06	520.16	519.40	520.06	520.44	519.97
27	519.25	519.69	519.50	520.34	519.41	519.69	520.22	520.06	519.59	520.12	520.09	519.91
28	519.83	519.25	519.66	520.34	519.59	519.50	520.09	519.81	519.97	520.47	520.03	519.81
29	520.22	--	519.91	520.34	519.72	519.37	520.47	519.94	520.16	520.44	519.94	519.91
30	520.09	--	519.97	520.22	519.66	519.66	520.50	520.16	520.12	520.09	519.87	520.03
31	519.81	--	520.06	--	519.66	--	520.34	520.19	--	520.16	--	520.12

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Maximum Reservoir Elevation for 2006

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.34	520.22	519.37	520.50	520.59	520.34	520.47	520.97	520.53	520.12	520.78	520.94
2	520.09	520.00	519.87	520.72	520.37	520.41	520.37	520.75	520.22	520.12	520.75	520.97
3	520.29	520.12	520.62	520.62	520.12	520.25	520.34	520.91	519.97	520.41	521.00	520.91
4	520.31	520.00	520.59	520.59	520.31	520.19	520.22	520.66	519.66	520.65	520.87	520.91
5	520.00	519.84	519.78	520.53	520.44	520.06	520.22	520.47	520.00	520.91	520.75	520.69
6	520.03	519.47	520.09	520.47	520.66	520.12	520.19	520.22	520.25	520.91	520.59	520.69
7	520.03	519.81	520.12	520.37	520.89	520.16	520.19	520.19	520.31	520.97	520.74	520.75
8	519.84	520.00	520.41	520.72	520.97	520.28	520.03	520.12	520.28	520.98	520.50	520.78
9	520.12	520.12	520.31	520.81	520.87	520.53	519.91	520.00	520.12	521.00	520.28	520.87
10	520.03	520.41	520.03	520.59	520.62	520.37	519.78	520.06	519.75	520.91	520.28	520.69
11	520.19	520.75	519.84	520.25	520.75	520.19	519.68	520.22	519.53	520.84	520.09	520.69
12	520.00	520.62	519.81	520.03	520.62	519.84	519.50	520.28	519.59	520.84	519.91	520.84
13	519.75	520.44	520.03	519.87	520.66	519.84	519.62	520.12	519.66	520.94	519.75	520.87
14	519.94	519.44	520.41	519.84	520.53	519.97	519.87	520.12	519.75	520.91	519.84	520.78
15	520.19	520.12	520.66	520.03	520.37	520.28	519.91	520.12	519.81	520.69	520.66	521.00
16	520.44	520.47	520.81	519.97	520.12	520.31	519.81	520.16	519.84	520.66	520.66	520.94
17	520.34	520.66	520.91	520.19	519.56	520.47	519.81	520.22	519.44	520.75	520.66	520.44
18	520.09	520.81	520.73	520.31	519.81	520.56	519.78	520.25	519.37	520.59	520.53	520.28
19	519.97	520.47	520.56	520.41	520.06	520.72	520.09	520.16	519.69	520.78	520.37	520.25
20	519.62	520.03	520.18	520.53	520.31	520.62	520.37	519.94	519.66	520.84	519.75	520.34
21	519.84	519.78	520.97	520.75	520.34	520.41	520.62	519.75	519.76	520.69	520.44	520.47
22	519.91	519.87	520.50	520.72	520.44	520.47	520.81	520.06	519.84	520.25	520.81	520.94
23	519.91	520.16	520.44	520.47	520.22	520.81	520.84	520.50	519.91	519.84	520.81	520.75
24	520.03	520.00	520.12	520.25	520.37	521.00	520.72	520.69	519.97	520.19	520.91	520.84
25	520.28	520.28	520.06	520.49	520.31	520.94	520.66	520.84	519.84	520.37	520.94	520.91
26	519.66	519.81	520.09	520.59	520.31	520.97	520.69	520.84	519.97	520.56	520.94	520.75
27	519.83	519.78	519.87	520.84	520.28	520.72	520.78	520.22	520.16	520.72	520.78	520.72
28	520.28	519.78	519.94	520.81	520.25	520.44	520.81	520.31	520.53	520.97	520.78	520.50
29	520.62	--	520.31	520.78	520.34	520.31	520.87	520.47	520.72	520.72	520.97	520.59
30	520.50	--	520.28	520.66	520.47	520.22	520.97	520.72	520.91	520.66	520.78	520.59
31	520.75	--	520.47	--	520.37	--	520.97	520.78	--	520.72	--	520.47

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Inflow for 2009 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3,522		7,058	14,022	3,080	3,137	1,248	1,395	6,270	9,617	9,491	16,448
2	3,195		10,298	18,939	1,834	2,300	1,746	1,147	4,280	9,001	14,001	23,652
3	3,586		12,034	21,167	1,857	3,395	1,951	1,636	4,199	2,134	14,373	29,876
4	2,667	3,933	11,357	15,214	3,679	2,764	820	1,858	4,516	1,090	9,067	24,074
5	2,912	4,558	11,011	16,510	4,603	4,792	891	1,849	1,289	6,127	5,012	22,084
6	4,414	3,517	10,939	23,651	4,868	4,760	1,926	2,179	1,031	6,230	10,295	21,657
7	6,108	1,709	10,797	8,525	12,109	4,493	2,007	1,692	2,041	8,903	8,463	21,519
8	5,887	1,598		5,631	9,031	3,369	2,023	871	2,767	12,716	3,665	21,505
9	7,242	1,215	4,818	6,430	5,712	3,291	1,929	825	4,119	17,041	7,370	22,760
10	6,066	940	9,693	7,391	4,732	1,850	1,226	1,371	4,298	7,334	26,875	22,581
11	5,902	2,330	5,883	2,558	4,080	1,529	1,003	1,598	4,475	4,025	41,293	22,075
12	8,641	2,176	4,885	2,015	3,987	1,370	730	1,734	1,170	9,312	43,922	19,610
13	8,045	3,000	9,705	8,587	3,143	1,055	1,567	1,560	781	26,831	33,810	18,523
14	8,218	1,176	9,709	12,241	3,891	1,101	3,011	1,702	2,551	38,544	31,767	22,770
15	5,176	1,157	9,023	12,365	3,194	1,398	4,428	915	3,164		31,417	19,995
16	6,906	1,925	13,693	11,516	2,751	2,684	5,899		3,375		27,416	14,514
17	3,701	1,955	12,276	10,923	1,993	2,833	2,441		8,972	12,845	15,908	18,268
18	2,137	2,119	8,602	10,910	5,262	3,157	1,119		8,585	8,181	13,634	28,818
19	3,914	3,041	6,668	10,867	9,597	2,369	773	1,717	11,079	8,843	12,573	31,905
20	4,528	2,762	6,216	6,543	4,292	1,649	1,274	2,084	11,045	11,495	12,386	25,727
21	5,301	2,363	2,547	6,487	2,836	1,245	1,418	2,423	15,953	8,994	3,206	23,146
22	4,994	1,296	2,029	6,220	2,329	2,308	1,362	1,131	39,904	7,061	2,689	22,191
23	4,746	2,810	7,056	6,480	1,810	1,136	1,517	892	48,280	7,227	13,169	21,931
24	1,373	1,264	10,770	6,459	1,879	1,826	1,482	1,902	57,276	1,874	16,071	21,955
25	1,322	2,252	10,747	3,266	2,620	1,134	756	3,447	61,004	1,446	15,355	25,831
26	3,172	1,135	8,132	2,918	4,603	1,281	744	2,425	48,382	6,173	15,422	24,394
27	4,286	2,075	10,530	2,616	6,744	770	977	1,688	22,805	14,767	15,599	22,802
28	3,806	7,985	19,744	2,955	10,783	796	929	4,909	8,067	18,047	4,320	22,132
29	3,578	--	19,303	3,672	5,487	1,022	2,334	3,350	9,874	20,589	1,900	21,822
30	--	--	21,855	2,626	1,549	1,340	2,616	4,461	11,688	20,802		21,798
31	--	--	24,463	--	1,796	--	3,014	5,420	--	11,831	--	22,137

-- Not a valid date

Blanks represent missing plant or gage data.

**Bartletts Ferry Reservoir
Daily Discharge for 2009 (cfs)**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3,799		9,515	13,174	2,787	3,248	819	1,914	5,238	12,333	10,828	14,604
2	3,618		8,222	16,962	2,106	3,236	1,600	1,730	4,582	6,867	14,350	18,667
3	2,915		11,998	23,987	2,237	2,943	1,551	1,621	4,334	1,886	14,940	30,199
4	2,473	3,299	11,246	18,438	4,387	2,965	1,202	1,888	4,594	1,621	5,593	25,129
5	2,960	4,316	11,247	15,418	5,020	4,280	1,206	2,047	1,858	10,518	8,171	22,662
6	3,041	3,526	11,175	21,761	5,755	4,945	1,340	1,829	1,648	6,290	10,772	22,016
7	5,764	2,155	11,237	7,991	10,517	4,804	1,998	1,698	2,374	9,270	6,519	22,545
8	6,360	3,479		4,670	8,955	4,959	1,646	1,568	2,072	16,111	2,316	22,791
9	9,027	450	3,465	5,793	5,645	2,355	2,020	1,376	2,648	16,210	5,611	20,984
10	9,955	1,244	9,554	7,104	5,024	1,771	1,771	1,377	4,480	13,149	15,743	22,432
11	3,378	2,490	5,062	3,524	4,800	1,771	1,429	1,242	4,014	6,359	37,192	22,722
12	6,025	2,133	5,388	2,916	3,806	1,840	1,407	1,218	2,014	8,146	44,108	21,514
13	8,377	2,047	10,362	5,808	2,939	1,524	1,080	1,262	1,475	25,944	35,664	16,776
14	6,959	1,753	9,741	14,647	3,325	1,491	1,238	1,259	2,389	35,214	31,438	20,020
15	7,320	1,635	7,796	13,672	2,932	1,191	3,194	1,700	2,467		29,865	19,863
16	6,547	1,485	12,128	12,248	2,020	1,211	5,223		2,627		27,577	14,242
17	3,440	461	12,067	8,539	1,855	2,691	2,543		10,345	18,248	19,404	18,893
18	2,080	2,427	8,895	10,183	5,364	2,747	1,514		9,354	10,748	12,217	28,061
19	3,295	2,437	7,287	10,266	9,899	2,282	1,577	1,609	8,971	8,233	11,119	34,342
20	5,622	2,427	6,021	6,235	5,310	1,933	1,667	1,670	12,813	11,540	12,102	27,168
21	5,532	2,605	4,192	7,181	2,941	1,655	1,304	1,750	18,784	8,701	3,852	22,773
22	4,973	2,366	2,674	7,356	2,461	1,901	1,190	1,624	35,674	6,649	3,009	22,156
23	4,378	2,341	6,642	6,782	2,023	2,604	2,074	1,540	48,803	5,309	13,375	22,039
24	2,277	2,041	11,963	5,941	1,392	1,482	1,876	1,665	56,816	2,327	14,848	21,725
25	1,707	1,810	12,627	3,577	1,609	1,371	1,576	2,234	61,324	2,698	15,014	24,237
26	2,694	1,545	7,066	2,604	4,137	1,783	1,572	2,269	51,054	7,478	15,108	24,409
27	2,407	1,363	8,754	2,431	6,831	1,464	1,286	1,908	21,254	12,468	15,575	23,512
28	3,477	7,034	17,848	2,091	10,263	1,141	1,139	3,071	7,439	18,525	6,778	21,957
29	3,638	--	21,348	4,425	5,206	1,136	1,497	3,143	10,517	21,171	3,880	22,059
30	--	--	21,045	2,878	2,410	873	1,820	5,555	12,232	18,917	--	22,518
31	--	--	25,527	--	1,362	--	1,410	5,500	--	13,616	--	22,464

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Minimum Reservoir Elevation for 2009

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	519.65	519.75	519.84	519.17	519.78	519.97	519.10	519.80	519.80	518.99	513.52	518.51
2	519.51	519.47	519.76	520.04	520.05	519.83	519.06	519.61	520.05	518.76	513.24	519.16
3	519.70	519.85	520.58	519.75	519.90	519.80	519.12	519.42	519.98	519.69	513.46	520.60
4	519.81	520.15	520.60	518.04	519.39	519.89	519.37	519.37	519.92	519.51	513.46	520.25
5	519.69	520.18	520.52	518.63	519.41	520.06	519.24	519.21	520.16	517.99	513.59	520.19
6	520.01	520.15	520.44	519.02	519.28	520.23	519.12	519.20	519.93	517.96	512.99	520.07
7	520.39	520.30	520.33	519.66	519.31	519.87	519.17	519.40	519.56	517.12	513.27	519.72
8	520.33	519.75	519.24	519.57	519.78	519.41	519.31	519.44	519.48	516.71	514.18	519.17
9	519.83	519.68	519.24	520.04	519.63	519.47	519.30	519.19	519.82	516.05	514.70	519.28
10	518.48	519.85	519.84	519.97	519.64	519.65	519.29	519.02	520.01	514.53	515.38	519.89
11	518.44	519.78	519.88	520.05	519.04	519.63	519.22	519.08	520.02	513.68	519.41	519.70
12	519.32	519.85	519.99	519.75	519.17	519.51	519.03	519.23	520.38	513.88	520.27	519.01
13	520.07	519.87	519.61	519.53	519.28	519.43	518.96	519.34	520.18	514.23	520.12	518.99
14	520.14	519.94	519.82	519.97	519.61	519.30	519.17	519.51	519.77	514.71	519.93	519.66
15	519.73	519.77	519.78	519.43	519.39	519.19	519.70	519.53	519.81	515.96	520.23	519.99
16	519.59	519.83	520.24	519.16	519.95	519.36	520.06	519.28	520.12	516.53	520.63	520.53
17	519.86	519.96	520.67	519.28	520.19	519.48	520.02	519.31	520.03	514.68	518.87	520.20
18	519.87	520.25	520.45	520.10	520.17	519.48	520.24	519.34	519.55	513.61	519.19	519.96
19	519.69	520.32	520.37	520.34	519.99	519.78	519.96	519.33	519.22	513.50	520.00	519.95
20	519.64	520.51	520.43	520.18	519.54	519.71	519.62	519.26	519.75	513.77	520.39	519.40
21	519.57	520.57	519.99	520.08	519.62	519.76	519.67	519.45	518.25	513.51	520.25	519.45
22	519.45	520.22	519.71	519.88	519.54	519.83	519.74	519.65	519.17	513.44	520.02	519.55
23	519.81	520.08	519.48	519.55	519.57	519.53	519.54	519.43	520.43	513.80	519.57	519.54
24	519.60	520.05	519.50	519.80	519.63	519.38	519.40	519.16	520.31	514.74	519.45	519.48
25	519.45	519.91	518.88	520.00	519.80	519.47	519.34	519.22	520.36	514.25	519.73	519.64
26	519.25	520.07	518.35	520.00	520.11	519.32	519.05	519.56	519.58	512.04	520.10	519.96
27	519.66	520.00	519.12	519.78	520.19	519.15	518.84	519.70	519.38	513.60	520.13	519.93
28	520.15	520.40	519.88	519.96	520.27	519.02	518.84	519.92	519.69	514.32	519.94	519.92
29	520.28	--	519.80	520.18	520.16	518.88	518.83	520.30	519.65	514.32	519.27	519.88
30	520.26	--	519.69	519.69	520.22	518.96	519.00	520.17	519.92	514.10	518.39	519.61
31	520.12	--	519.75	--	520.12	--	519.43	519.79	--	514.08	--	519.52

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Reservoir
Daily Maximum Reservoir Elevation for 2009

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	520.20	520.25	520.72	520.04	520.51	520.61	519.37	520.30	520.58	520.38	514.47	519.40
2	520.07	520.05	520.59	520.76	520.54	520.62	519.46	519.99	520.76	520.72	514.01	520.84
3	520.22	520.41	520.85	520.77	520.43	520.51	519.56	519.80	520.67	520.15	514.94	520.90
4	520.26	520.71	520.74	519.75	520.21	520.60	519.72	519.84	520.65	519.96	514.84	520.74
5	520.14	520.81	520.71	519.27	520.10	520.63	519.54	519.74	520.64	519.62	515.16	520.49
6	520.47	520.71	520.62	520.13	519.89	520.43	519.52	519.71	520.37	518.46	513.77	520.19
7	520.88	520.67	520.53	520.20	519.86	520.24	519.66	519.83	520.13	518.11	514.55	520.08
8	520.85	520.44	520.37	520.30	520.37	520.27	519.68	519.86	520.14	518.52	514.83	519.72
9	520.63	520.06	519.90	520.74	520.36	519.97	519.79	519.60	520.63	517.05	515.44	519.89
10	519.83	520.01	520.00	520.71	520.49	520.14	519.78	519.39	520.74	517.01	519.41	520.18
11	519.48	520.11	520.28	520.70	520.00	520.12	519.59	519.41	520.72	514.82	520.81	520.15
12	520.39	520.16	520.50	520.26	519.95	520.01	519.41	519.58	520.80	514.36	520.80	519.84
13	520.81	520.42	520.07	520.79	519.93	519.85	519.22	519.72	520.52	514.71	520.75	520.22
14	520.82	520.28	520.11	520.92	519.94	519.71	519.83	519.86	520.31	515.99	520.42	520.59
15	520.61	520.09	520.24	519.98	520.18	519.54	520.25	519.96	520.49	516.68	520.80	520.73
16	520.22	520.14	520.89	519.56	520.33	519.97	520.59	519.65	520.74	516.81	520.86	520.85
17	520.32	520.48	520.84	520.10	520.59	520.09	520.71	519.53	520.85	516.85	520.69	520.82
18	520.19	520.61	520.84	520.38	520.45	520.21	520.63	519.75	520.30	514.89	520.00	520.81
19	520.33	520.67	520.85	520.60	520.42	520.36	520.38	519.65	520.73	514.66	520.54	520.77
20	520.56	520.79	520.86	520.69	520.18	520.30	520.10	519.65	520.79	514.96	520.85	519.95
21	520.28	520.84	520.65	520.86	520.21	520.26	520.00	519.86	520.14	514.27	520.85	519.67
22	520.31	520.66	520.16	520.67	519.96	520.36	520.04	520.04	520.61	514.50	520.46	519.65
23	520.52	520.53	520.22	520.29	519.99	520.23	520.08	519.81	520.80	515.01	520.28	519.67
24	520.01	520.46	520.13	520.56	520.01	519.82	519.90	519.55	520.59	515.16	520.59	519.64
25	519.75	520.35	519.58	520.40	520.14	519.88	519.76	519.97	520.86	514.93	520.72	520.25
26	519.79	520.38	519.27	520.60	520.55	519.72	519.46	520.11	520.63	514.45	520.81	520.18
27	520.35	520.40	519.88	520.27	520.55	519.55	519.18	520.14	520.22	514.74	520.89	520.18
28	520.68	520.77	520.74	520.46	520.60	519.32	519.10	520.56	520.32	514.85	520.83	520.02
29	520.77	--	520.52	520.86	520.54	519.20	519.22	520.75	520.73	514.99	520.17	520.04
30	520.81	--	520.11	520.39	520.78	519.22	519.49	520.76	520.73	515.06	519.32	519.92
31	520.78	--	520.35	--	520.48	--	520.04	520.53	--	515.25	--	519.70

-- Not a valid date

Blanks represent missing plant or gage data.

Bartletts Ferry Operations Primer



Bartletts Ferry Operations Primer

**Revision 2
Jan 2011**



Revisions

Revision 1: (May 2009)

Added revision log.

Revised page numbering.

Minor revision to Table 1.

Revision to maintenance drawdown paragraph on page 6.

Revision 2: (Jan 2011)

Revised Figures 3, 4, 5, and 6. This shifted West Point release data slightly; no other data changes and no changes to the discussion of these plots.

How Does a Hydro Plant Generate Power?

Hydropower is one of the oldest methods of generating power. A hydro plant uses the stored kinetic energy in water as it moves from the higher reservoir elevation to the lower tailwater elevation to produce clean, renewable power.

Water flows from the reservoir into the intake, through passageways called penstocks, to the turbine blades. There the water turns the turbine, which turns an electric generator to make electricity. Figure 1 shows how this works.

The amount of power generated is directly proportional to the head (difference between reservoir headwater elevation and discharge tailwater elevation) and flow. For any dam, more power can be generated if there is more head, i.e. a higher dam, or if there is more flow in the river.

The amount of flow available upstream of a dam depends on rainfall and the size and geography of the drainage basin, and is affected by water uses and other factors. The drainage basin, also called a watershed, is all of the land upon which rainfall flows to a particular stream, river, or other water body. In general, the larger the drainage basin area, and the more abundant the rainfall, the higher the flow in the river. Flows vary daily, seasonally, and annually. Typically, flows for Georgia are highest in March or April and lowest in September or October.

How is Hydroelectric Power Used?

Only certain sites have sufficient flow and are otherwise suitable for riverine hydro plants, so the amount of hydro energy in Georgia is limited. Hydro represents 6.8 % of the generation capacity (megawatts [MW]) for Georgia Power and provides about 1.9 % of the actual generation (MW-hours), but it is an important component of the generation mix.

Because hydro plants can be loaded quickly, they often are used to supply power during peak power demand periods in the day when other sources of generation are costly. Hydro plants can also be used in system emergencies (e.g., when a large fossil or nuclear plant trips, or when the system transmission grid requires balancing). Generally, peak power demands in Georgia occur most weekday afternoons of warm seasons of the year and also on most weekday mornings in the winter months. Peak power demands can change rapidly, and hydro plants can come on-line faster and much more economically than combustion turbines and other types of quick-loading power generation plants.

How Does Storage Affect Hydro Plant Operations?

Over time, inflow and outflow at a hydro project are generally equivalent. The amount of time over which inflow and outflow are equivalent depends on the amount of usable storage at the hydro project.

A very small reservoir cannot store water, so inflow and outflow are always equal. This type of plant is called a “run of river” plant. It is rarely economical to build turbines large enough to pass the highest of inflows at run of river plants, so during higher flow periods some of the water often must be spilled, bypassing the generation turbines. For these reasons, plants with very small reservoirs generally do not produce much power. Most hydro plants of this type found in Georgia are old mill sites, where steady power throughout the day was traditionally more important than peaking power and spillage was not a concern.

A larger reservoir can store water for hours or days, and may generate during peak power periods when generation from other sources is costly or not readily available. The reservoir is drawn down when generating, and then refilled when not generating. The average discharge over a matter of day(s), or week(s), is equal to inflow over the same period. Bartletts Ferry is an example of this type of reservoir. Georgia Power uses the term “modified run of river plant” when describing Bartletts Ferry because it modifies flows on an hourly to daily basis, but very little on a weekly basis.

A very large reservoir can store water for months, or even years. These reservoirs can capture water for generation during high flow periods of the year for use in lower flow periods of the year. Without this capability to store water, the high inflows at these reservoirs would have to be spilled and not used to generate power. These large reservoirs are called “storage” reservoirs.

What Determines the Size of a Hydro Plant?

Deciding what size dam and reservoir to build is a matter of economics and the physical features of the geographic area. A larger dam has more head, and a greater ability to use more water through storage, but at some point the economic gains from building a larger reservoir solely for power generation will not offset the costs of construction, maintenance, and operation, which can be substantial. Other important benefits such as navigation, flood control, water supply, and recreation often help justify the cost of these large storage reservoirs. Examples of these reservoirs in Georgia are the reservoirs created by the U.S. Army Corps of Engineers’ (Corps’) West Point (West Point Lake) and Buford (Lake Sydney Lanier) dams.

Figure 2 demonstrates how Buford and West Point store some of the inflow during wet months and use it to supplement flows during dry months.

A large storage reservoir can reregulate inflows and provide benefits on-site, as well as to smaller reservoirs downstream. Downstream reservoirs benefit because the large storage reservoir captures high inflows in wet months, which might otherwise be spilled at a smaller downstream plant, and release the water in dry months when it can be used to generate power. Downstream power customers and reservoir users benefit from this reregulation as well.

How is Bartletts Ferry Operated?

Storage at Bartletts Ferry is Limited

Compared to other reservoirs on the Chattahoochee River, Bartletts Ferry is a medium to small sized reservoir with limited storage, as shown below in the table of storage reservoirs on the Chattahoochee River (Table 1). The reservoirs are listed from the most upstream (Buford) to the farthest downstream (George W. Andrews) to the Georgia-Florida line at which point the Chattahoochee River joins the Flint River to become the Apalachicola River. Note that due to the engineering limitations of hydropower facilities, not all storage is usable for generating hydroelectricity. The term “conservation storage” applies to the storage usable for hydro generation in a reservoir.

Table 1
Usable Storage Volumes at Hydro Plants
on the Chattahoochee River

Project	Operator	Conservation Storage Acre-feet	Conservation Storage %
Buford	Corps	1,087,600	63.3%
Morgan Falls	GPC	2,400	0.1%
West Point	Corps	306,100	17.8%
Bartletts Ferry	GPC	57,600	3.4%
Goat Rock	GPC	4,830	0.3%
Oliver	GPC	6,120	0.4%
North Highlands	GPC	140	0.0%
W.F. George	Corps	244,400	14.2%
George W. Andrews	Corps	8,200	0.5%
Sub-Total	Corps	1,646,300	95.9%
Sub-Total	GPC	71,090	4.1%
Total	All	1,717,390	100.0%

As Table 1 indicates, the Corps operates reservoirs comprising a total storage volume for the Chattahoochee River of 1,646,300 acre-feet, which constitutes 95.9% of the total

usable storage for the river. All Georgia Power reservoirs on the Chattahoochee River amount to only 71,090 acre-feet, or 4.1% of the total usable storage for the river. As a result, Georgia Power’s hydropower operations, including those at Bartletts Ferry, are limited by and subject to receipt of flows from Corps projects.

Current Operation at Bartletts Ferry

Bartletts Ferry was built in the late 1920s, with additional generating capacity added in the 1980s. There are two powerhouses, the original powerhouse on the west side of the river with four vertical Francis turbines (Units 1 through 4), and a newer powerhouse on the east side of the river with two vertical Francis turbines (Units 5 and 6). For both powerhouses the units are numbered beginning from the middle point of the river outward toward the shoreline. Below is a table of pertinent data:

**Table 2
Data on Bartletts Ferry Turbines**

UNIT	Nameplate Capacity MW	Maximum Hydraulic Capacity CFS	Commercial Operation Date
1	15	2,330	1926
2	15	2,330	1926
3	15	2,260	1928
4	20	2,880	1951
5	54	7,200	1985
6	54	7,200	1985

When the original powerhouse was built there were no upstream Corps reservoirs (Lake Lanier began filling in 1956 and Lake West Point began filling in 1974). Until the construction of West Point, the Bartletts Ferry reservoir (Lake Harding) was drawn down approximately 10 feet in the fall and refilled in the spring to capture winter/spring runoff that otherwise would have been spilled. Even with this drawdown, the limited storage in Lake Harding meant that some water was spilled during periods of higher flow.

West Point is a peaking power plant. Normal operation is to pass minimum flow at all times (~600-800 cfs) and use excess water to peak (~18,000 cfs) during peak power demand periods on weekdays. The minimum flow is passed on weekends, although some peaking also may occur on weekends.

After West Point was constructed, the east powerhouse, with units 5 and 6, was constructed at Bartletts Ferry. With the new powerhouse, the peak power plant hydraulic capacity was increased to approximately 24,000 cubic feet per second (cfs), exceeding the West Point power plant hydraulic capacity of approximately 19,000 cfs.

The large Buford and West Point storage projects upstream of Bartletts Ferry reregulate flow in the river, capturing winter/spring rains and releasing the stored water during the summer/fall. West Point controls about 82% of the inflow into Bartletts Ferry. Only 18% of flows entering the Bartletts Ferry project come from local inflow and do not result from West Point releases. During dry parts of the year or drought, local inflow may be much less than 18%, making Bartletts Ferry more dependent upon West Point releases.

With the Corps providing reregulation of flows, and with the addition of hydraulic capacity at Bartletts Ferry to exceed the hydraulic capacity of West Point, the manner in which the Bartletts Ferry reservoir was operated changed. The reservoir is now operated at near full pond year-round, with no fall drawdowns. The benefit derived by drawing the reservoir down in the fall to capture winter/spring rains is now provided by the operation of the upstream Corps reservoirs (Buford and West Point). Georgia Power makes an annual headwater benefits payment to the Federal government for the benefits at Bartletts Ferry derived from the reregulation of flows by Buford and West Point.

Water released from West Point takes 4 to 6 hours to reach Bartletts Ferry. Desired peaking at Bartletts Ferry often coincides with peaking at West Point; therefore, both plants usually peak during the same time period. This operation lowers the Bartletts Ferry reservoir until the West Point peaking release arrives 4 to 6 hours later and refills Bartletts Ferry. Bartletts Ferry is normally operated between elevations 519 and 521 feet, with normal daily average fluctuations of about $\frac{3}{4}$ foot.

Because Bartletts Ferry discharges directly into the backwaters of the Goat Rock reservoir, with no intervening riverine reach or bypassed reach, it has no FERC-required minimum instantaneous discharge. Although there is no instantaneous discharge requirement, for the eleven year period 1997-2007 daily average discharges exceeded 0 cfs 99.9% of the time and 500 cfs 99.8% of the time.

Bartletts Ferry Operations are Illustrated by the Following Figures:

Figures 3 through 6 show Bartletts Ferry and West Point hourly discharges, and Bartletts Ferry hourly elevations for four one-week periods. These graphs illustrate how the Bartletts Ferry reservoir fluctuates because of inflows, primarily controlled by West Point peaking operations and Bartletts Ferry peaking discharges. Average annual inflow for Bartletts Ferry is approximately 6,150 cfs.

Figure 3 shows a medium range inflow week with no peaking on the weekend from West Point.

Figure 4 shows a medium range inflow week, with peaking by West Point on all seven days of the week. Note that Bartletts Ferry must generate on the weekend to pass the peaking flows from West Point.

Figure 5 shows a week in which there were flood conditions. Note that the flow scale is shifted higher to depict the higher flow releases later in the week.

Figure 6 shows a week with low inflows, and no peaking on the weekend at West Point.

Figures 7 through 17 show the daily maximum and minimum Bartletts Ferry reservoir elevation for each of the years from 1997 through 2007. Some things to note about these graphs are:

The typical operating range for the reservoir is between elevations 519 and 521 feet, with 521 feet being full pond.

Every other year the reservoir was drawn down approximately 8-10 feet, starting in October and lasting about six weeks, to allow for dock and shoreline structure maintenance around the lake (e.g., Figure 7). This drawdown was cancelled in 2007 due to extreme drought conditions (Figure 17).

Figure 18 shows daily lake fluctuation statistics for the period 1997-2007. Daily fluctuations are less than 1.74 feet 99% of the time, with the higher fluctuations mostly from fall maintenance drawdowns. Daily fluctuations are less than 1.00 feet 84% of the time and less than 0.69 feet 50% of the time.

Figure 19 shows statistics on hourly lake elevations for the period 1997-2007. Statistics are shown that include the fall maintenance drawdowns, and excluding these drawdowns. When the fall drawdowns are excluded, the reservoir was below elevation 519 feet only 1% of the time.

Figures 20 and 21 show statistics on rolling 7-day average inflow and outflow for the period 1997-2007. These graphs are the same except for the scale of the y axis. From these graphs it can be seen that on a weekly basis, inflow and outflow are approximately equal, i.e. there is negligible storage change on a weekly time step. Differences in inflow and outflow occur on an hourly to daily basis as illustrated in Figures 3 through 6.

Figures 22 and 23 show statistics on hourly and daily discharges for the period 1997-2007. These graphs are the same except for the scale of the y axis. For the eleven year period 1997-2007 daily average discharges exceeded 0 cfs 99.9% of the time and 500 cfs 99.8% of the time.

FIGURES

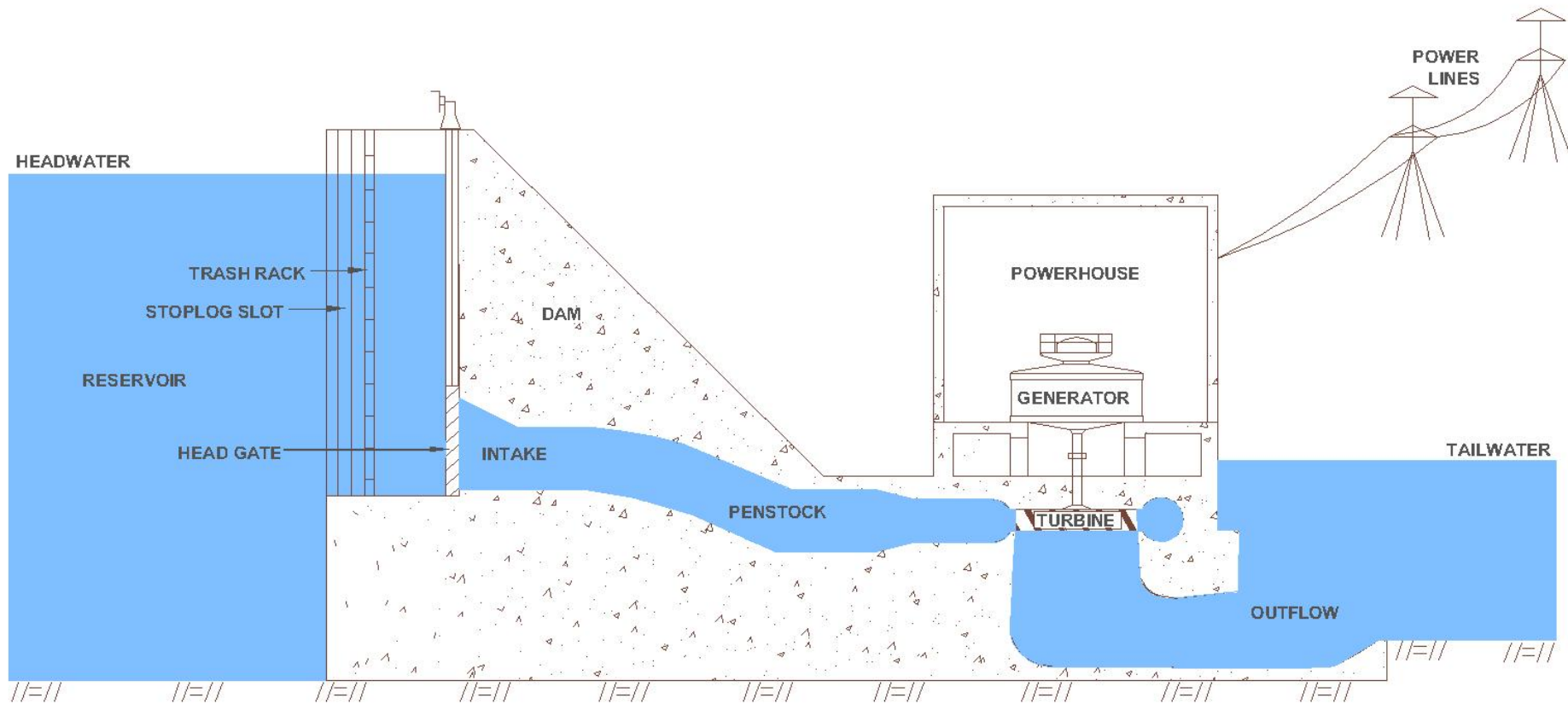


FIGURE 1

**West Point
Average Monthly Flows
with and without Buford and West Point
January 76 to July 08**

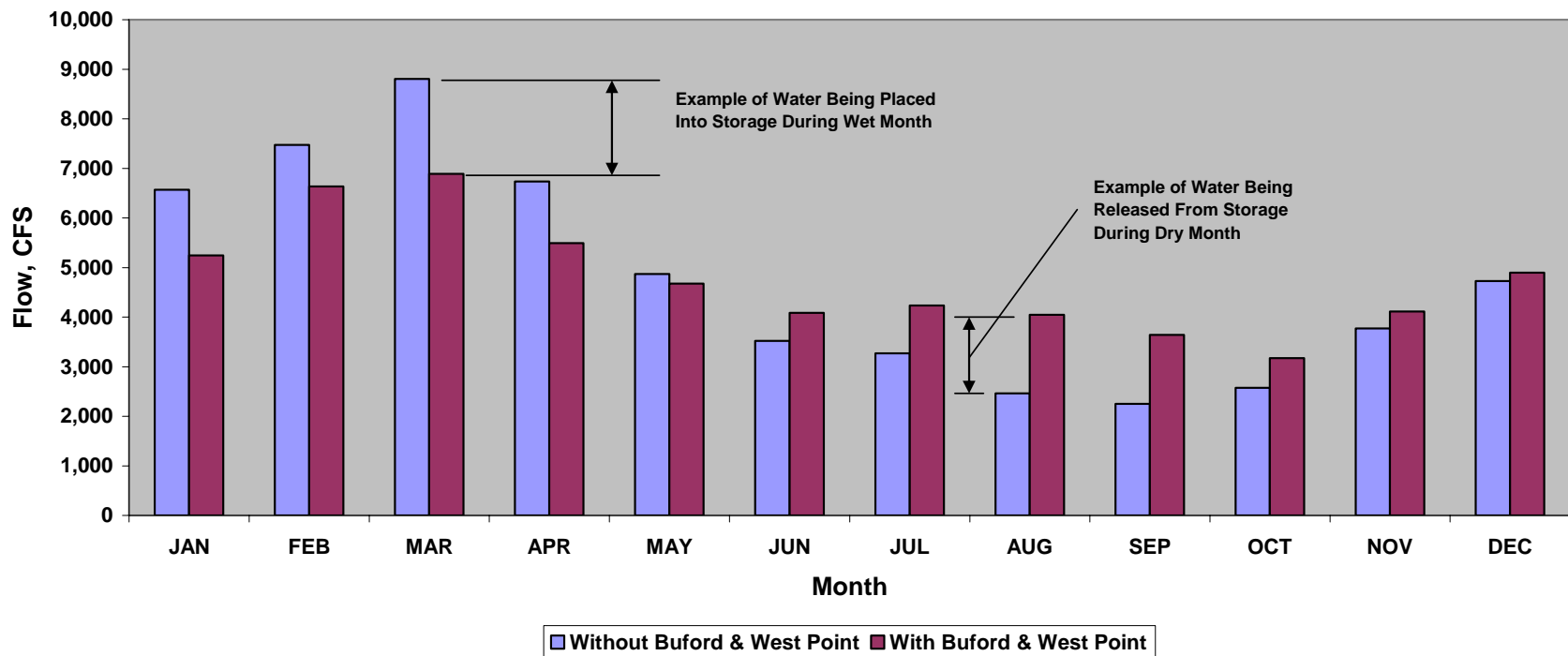


FIGURE 2

Bartletts Ferry
Example of One Week of Operation
Medium Inflow (4,742 CFS Average Inflow)
With No Weekend West Point Peaking

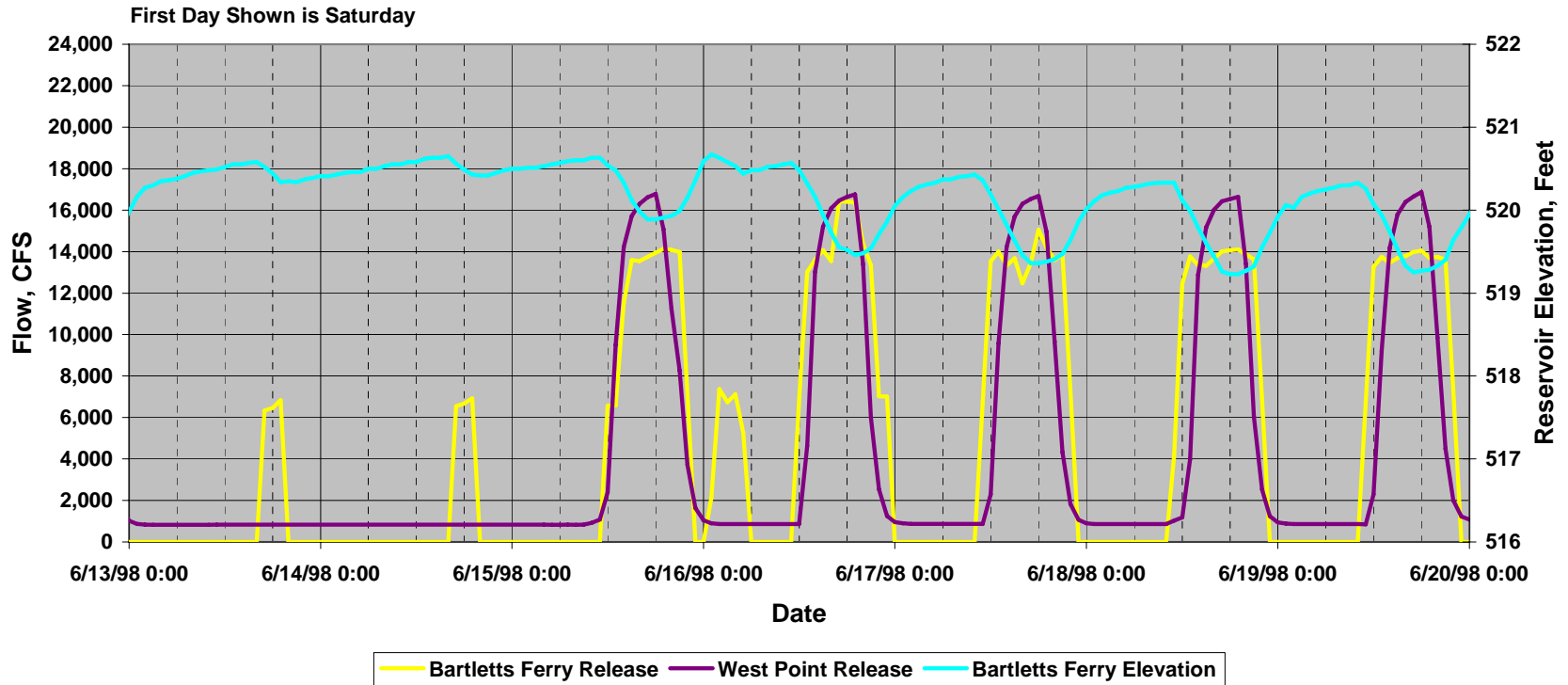


FIGURE 3

Bartletts Ferry
Example of One Week of Operation
Medium Inflow (5,201 CFS Average inflow)
With Weekend West Point Peaking

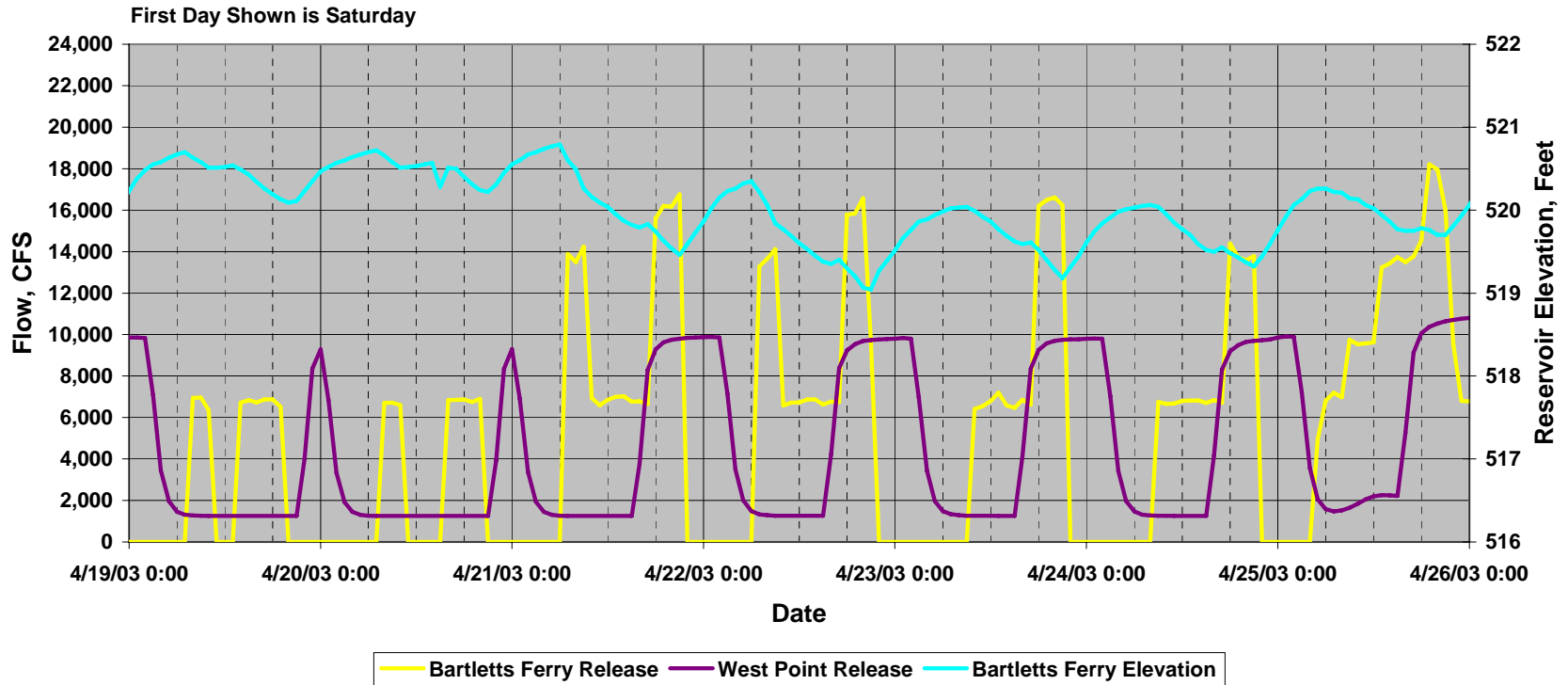


FIGURE 4

Bartletts Ferry
Example of One Week of Operation
Flood Conditions (35,652 CFS Average inflow)
With Weekend West Point Peaking

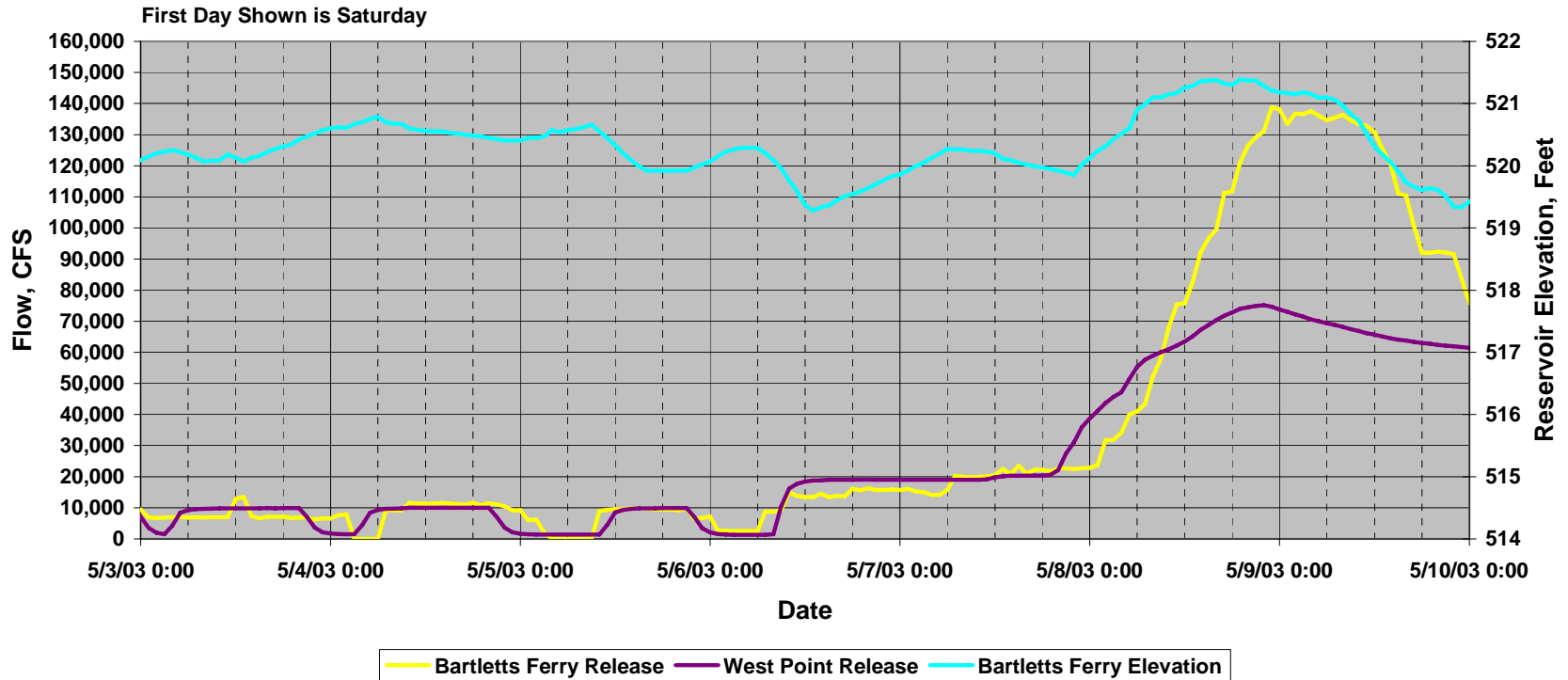
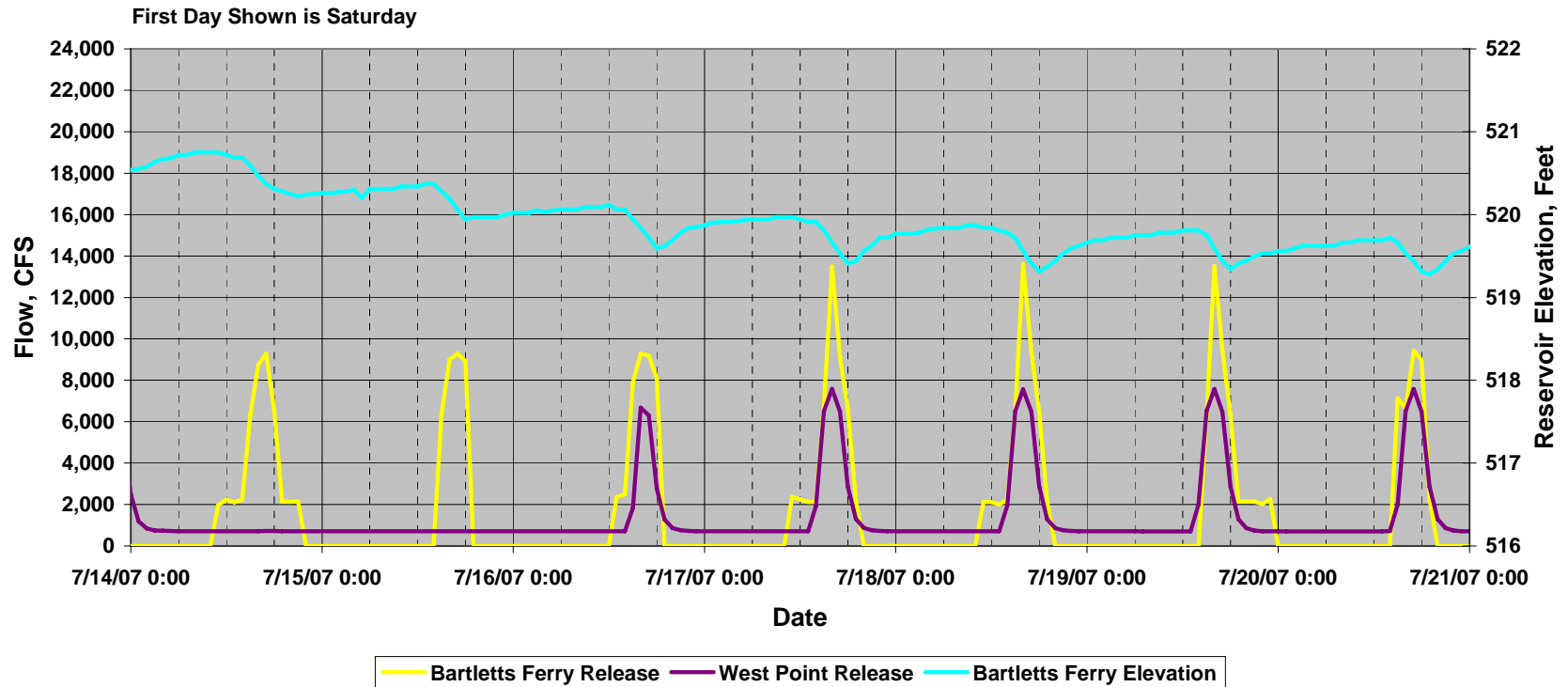


FIGURE 5

Bartletts Ferry
Example of One Week of Operation
Low Inflow (1,352 CFS Average Inflow)
With No Weekend West Point Peaking



**Bartletts Ferry Reservoir
Daily Maximum and Minimum Elevations
1997**

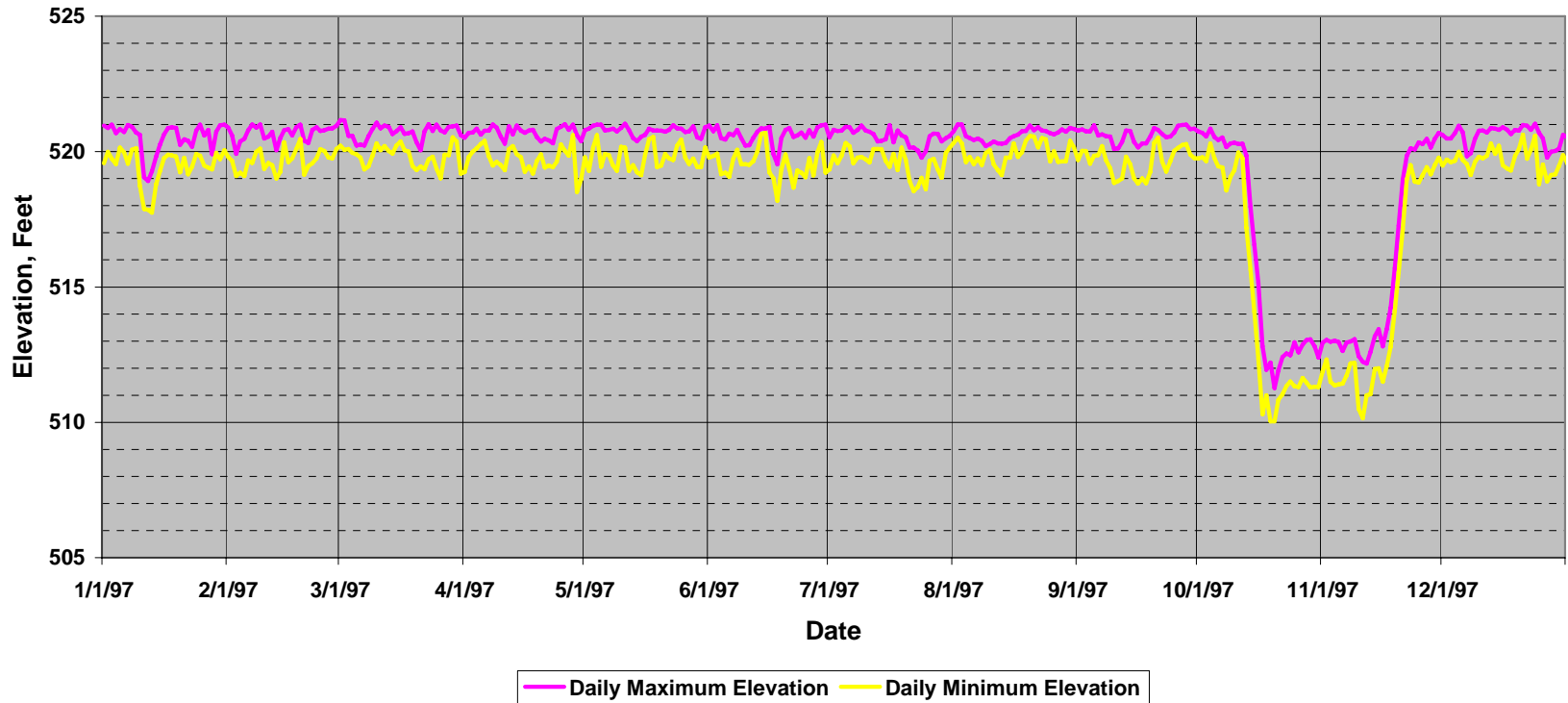


FIGURE 7

**Bartletts Ferry Reservoir
Daily Maximum and Minimum Elevations
1998**

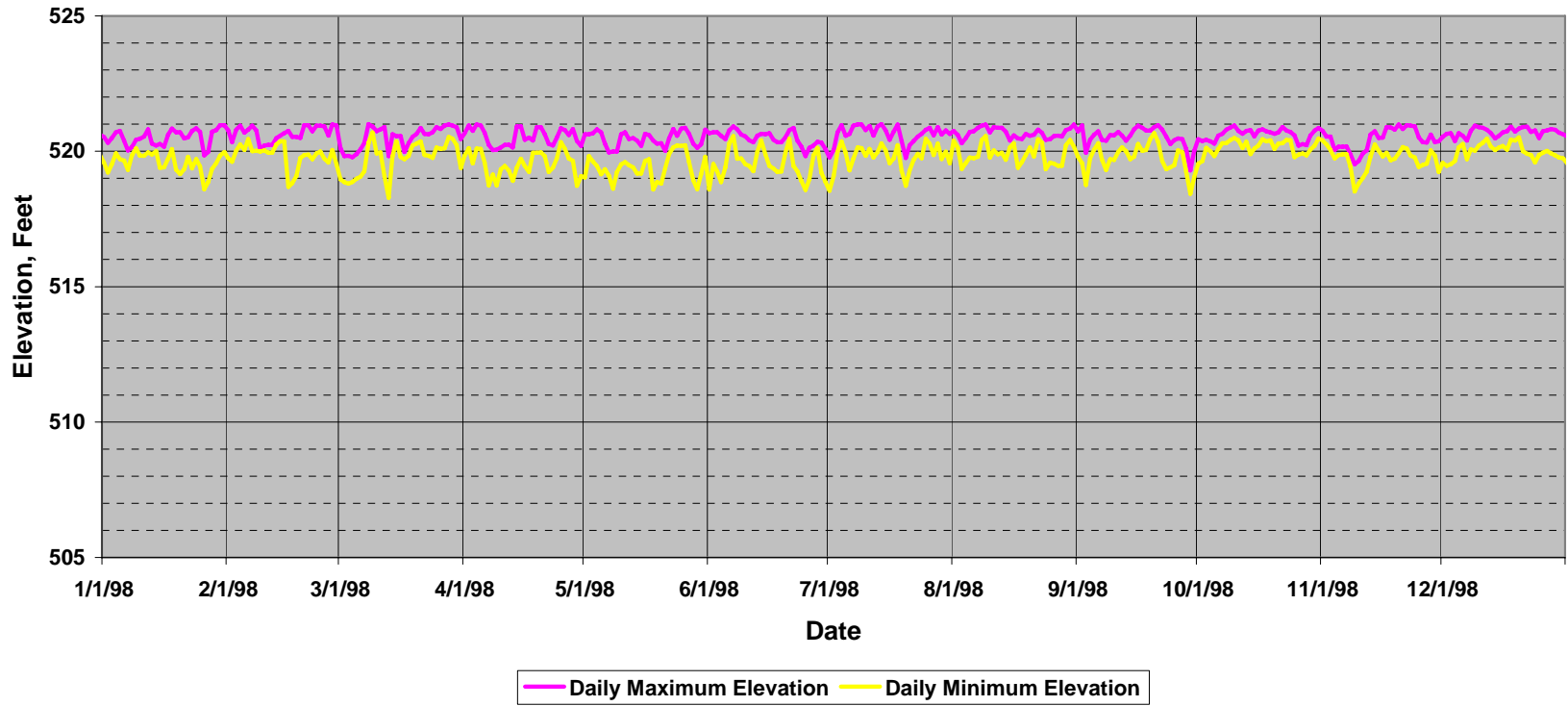


FIGURE 8

**Bartletts Ferry Reservoir
Daily Maximum and Minimum Elevations
1999**

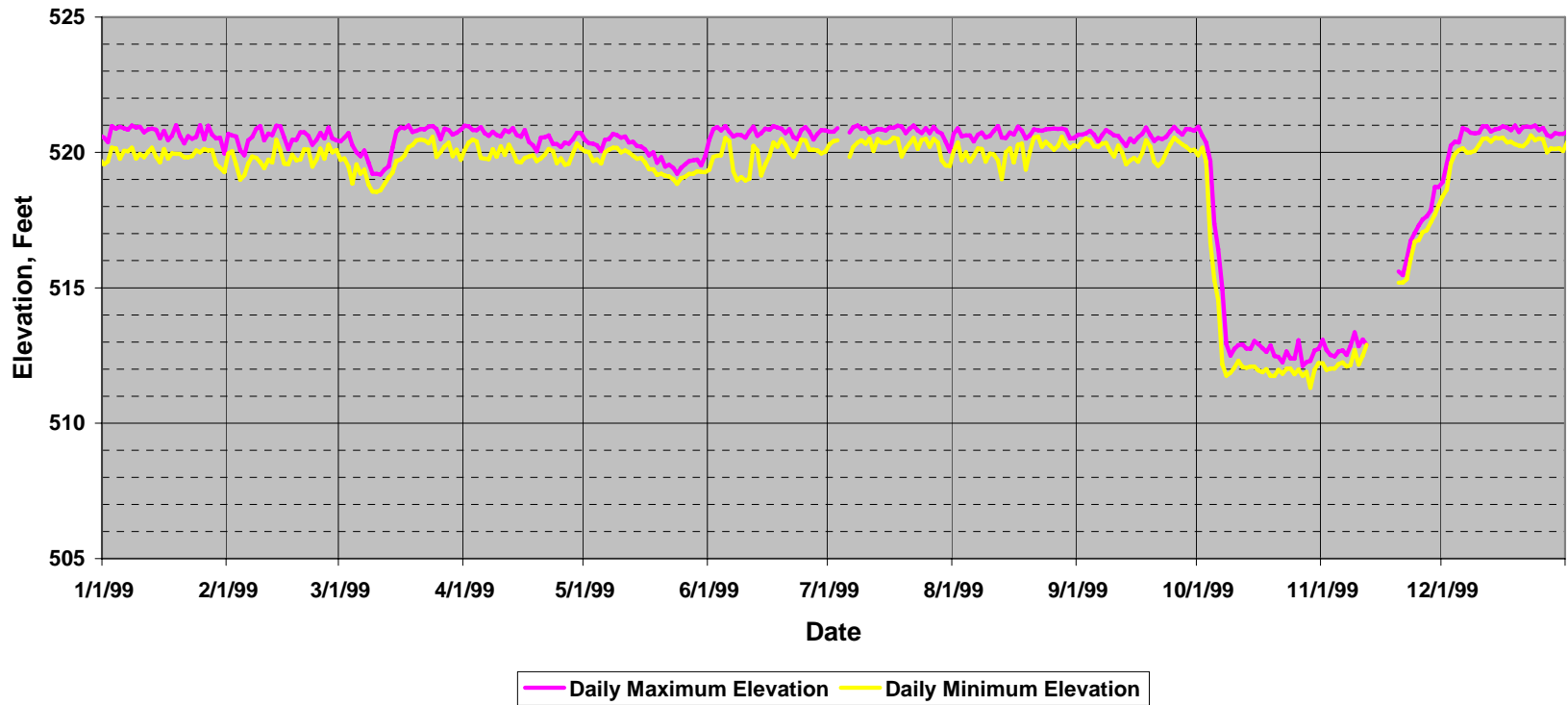


FIGURE 9

**Bartletts Ferry Reservoir
Daily Maximum and Minimum Elevations
2000**

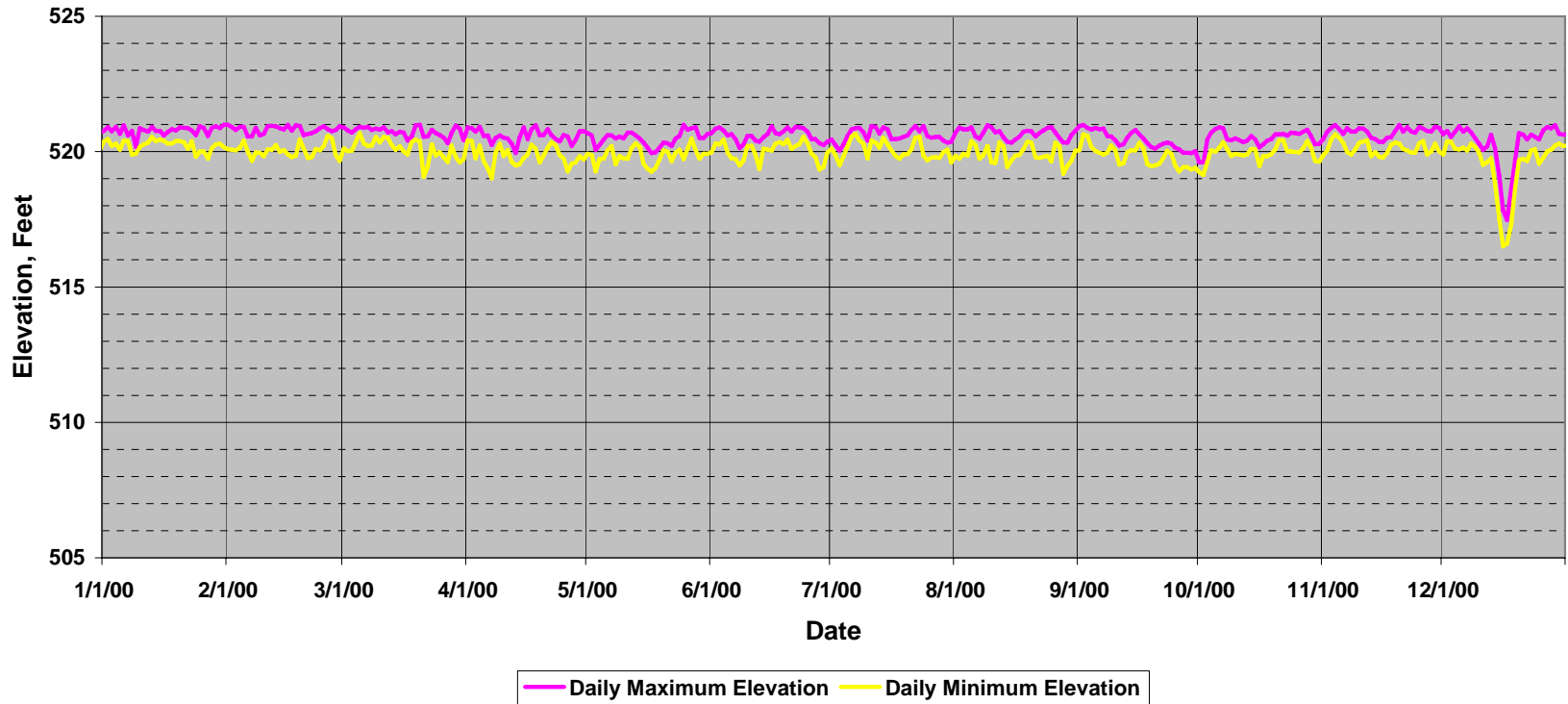


FIGURE 10

**Bartletts Ferry Reservoir
Daily Maximum and Minimum Elevations
2001**

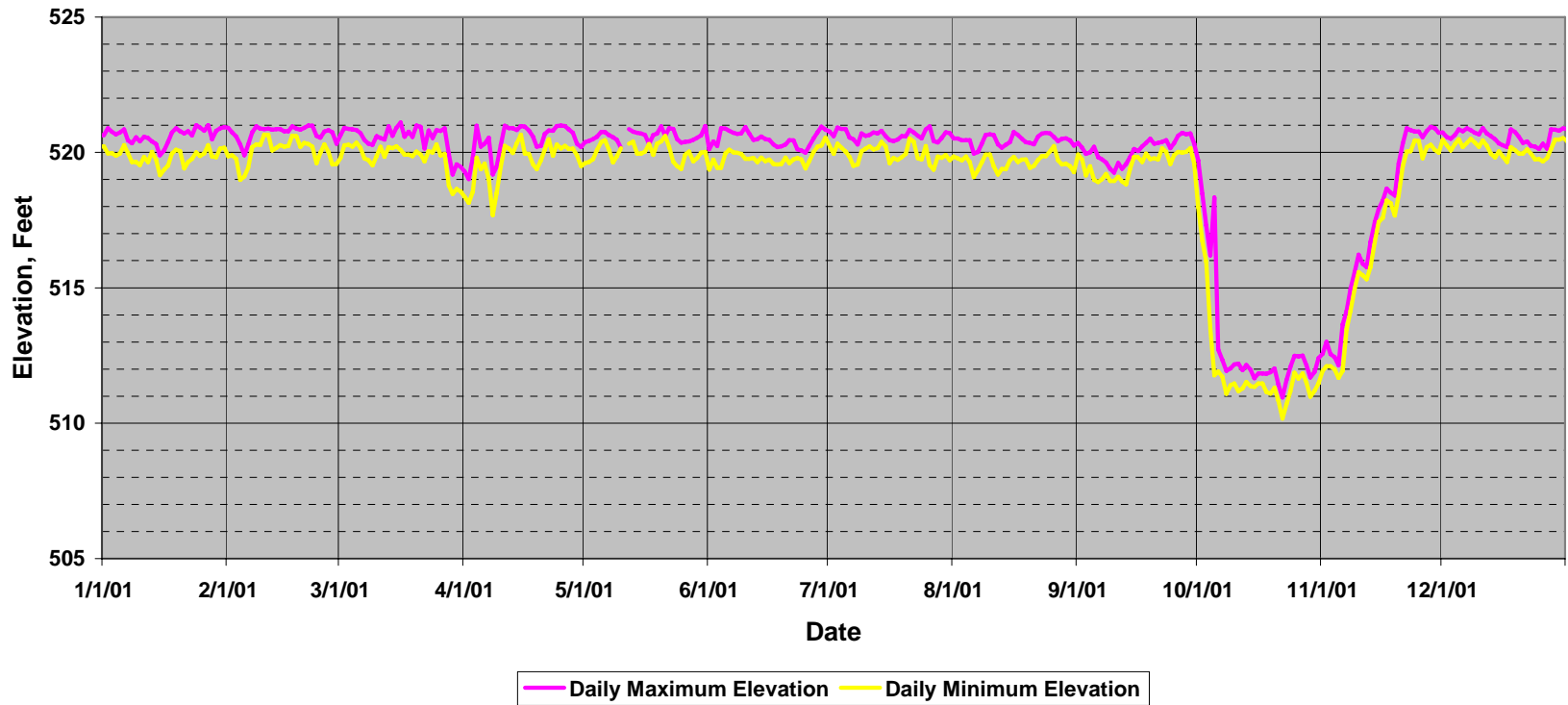


FIGURE 11

**Bartletts Ferry Reservoir
Daily Maximum and Minimum Elevations
2002**

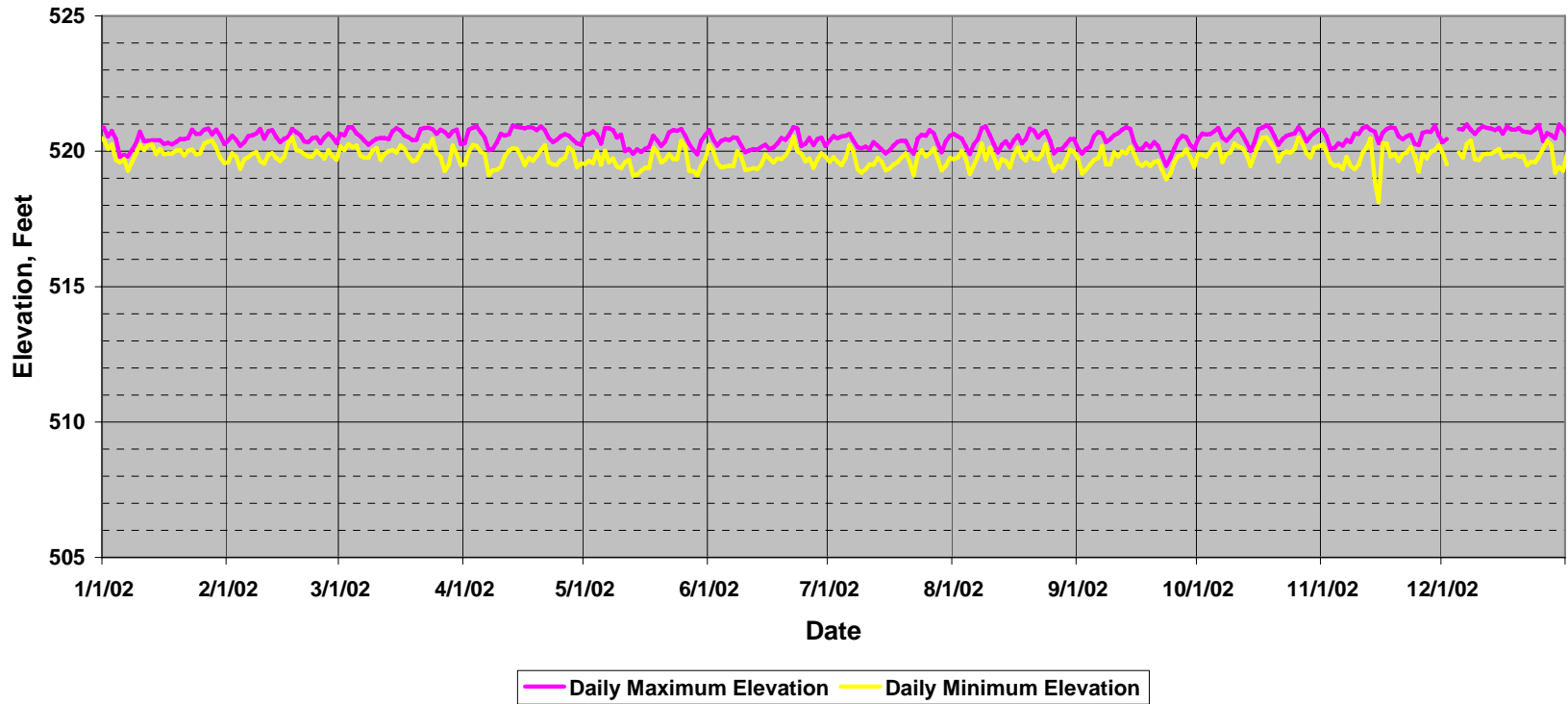


FIGURE 12

**Bartletts Ferry Reservoir
Daily Maximum and Minimum Elevations
2003**

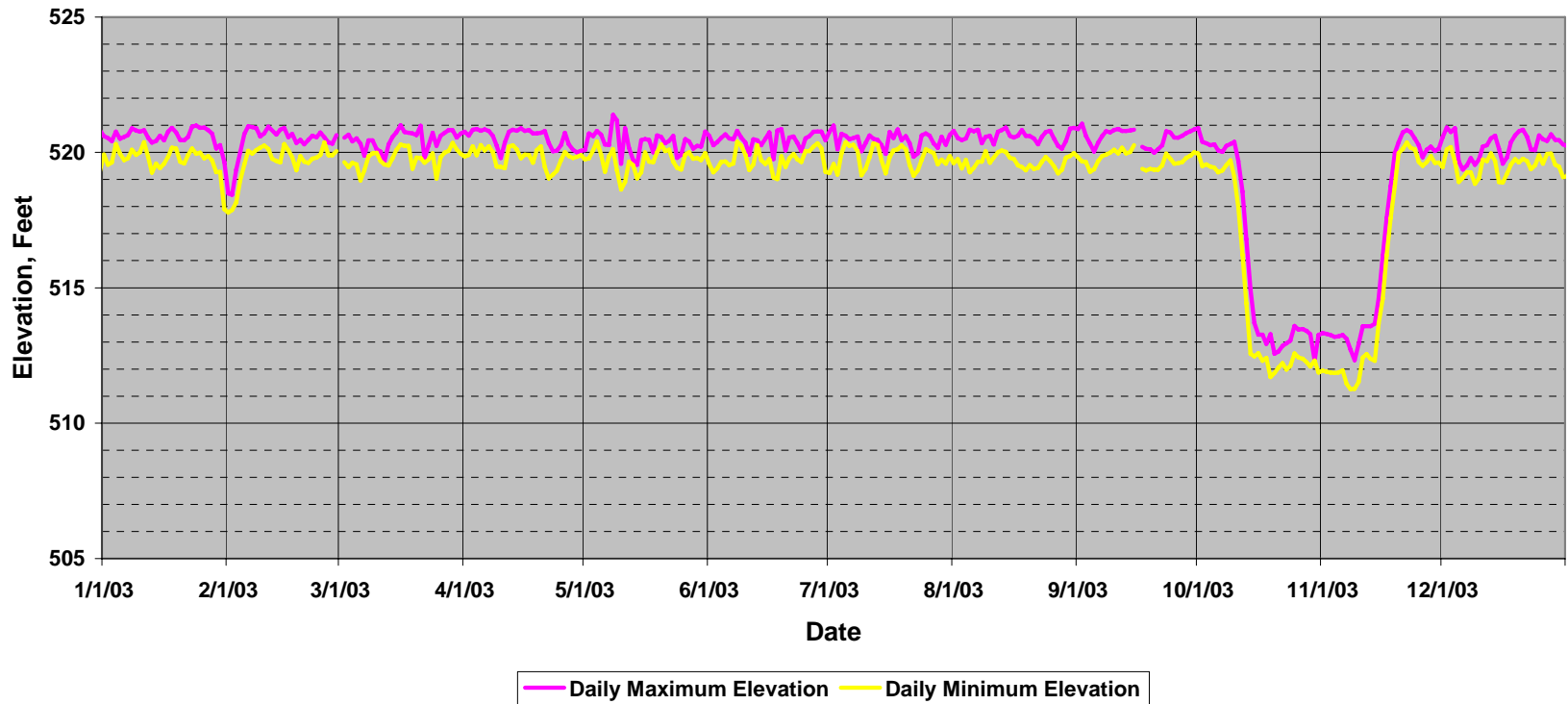


FIGURE 13

**Bartletts Ferry Reservoir
Daily Maximum and Minimum Elevations
2004**

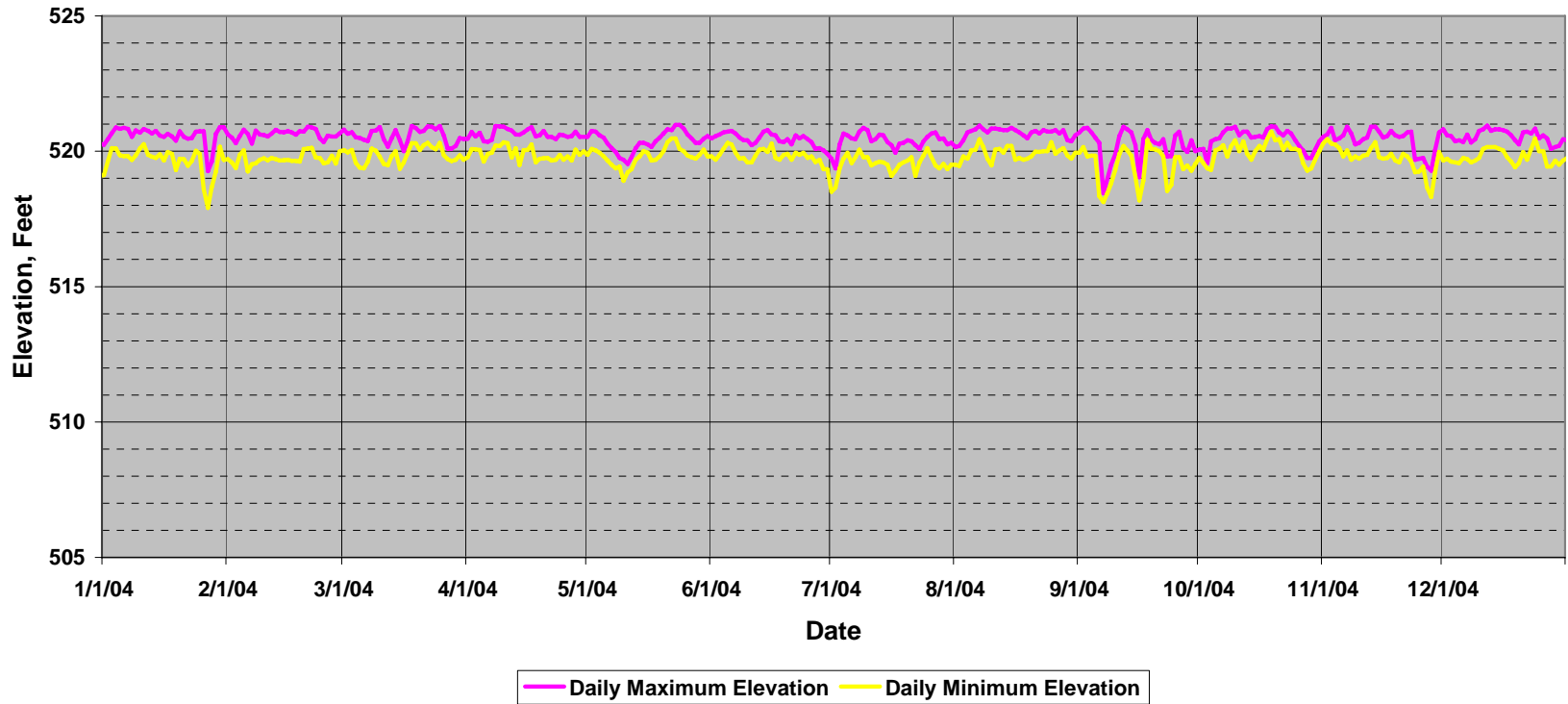


FIGURE 14

**Bartletts Ferry Reservoir
Daily Maximum and Minimum Elevations
2005**

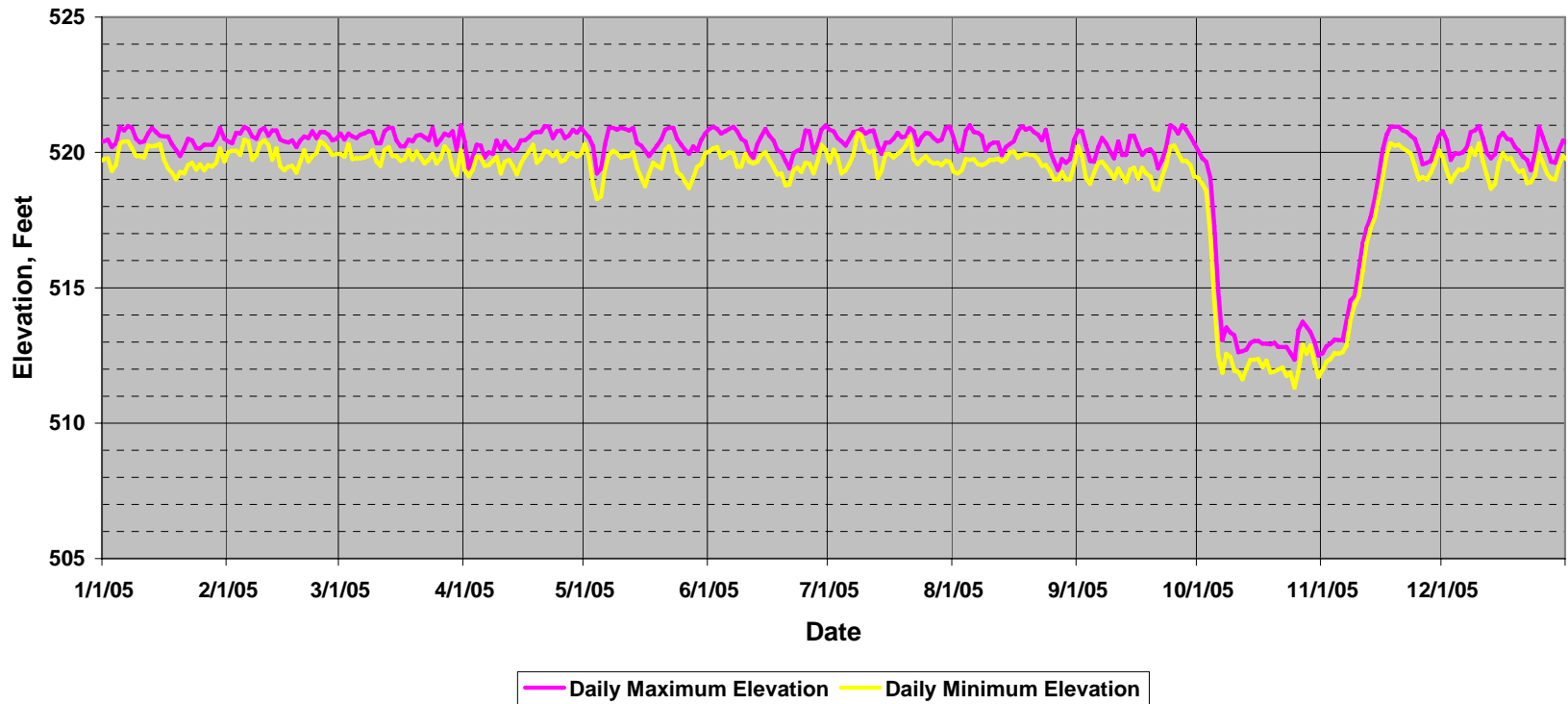


FIGURE 15

**Bartletts Ferry Reservoir
Daily Maximum and Minimum Elevations
2006**

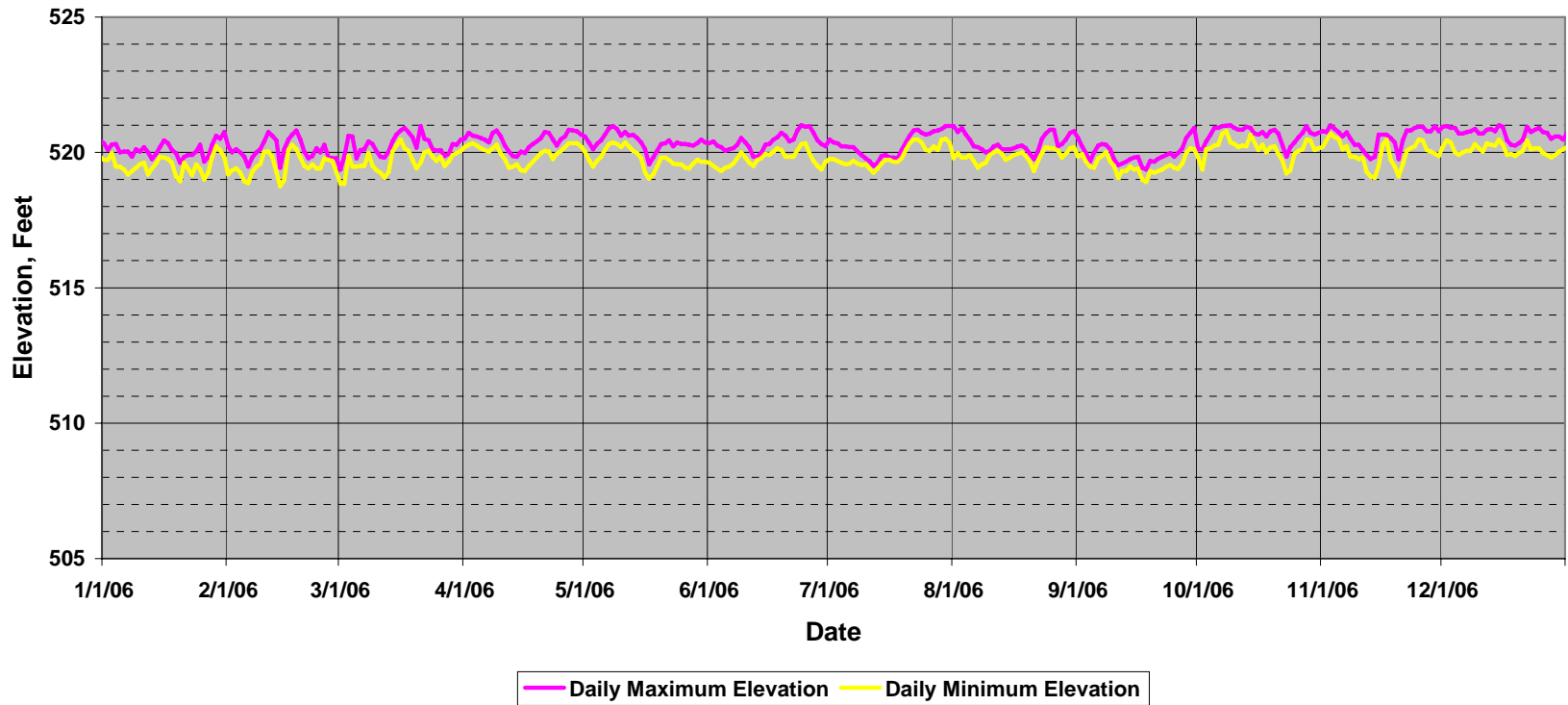


FIGURE 16

**Bartletts Ferry Reservoir
Daily Maximum and Minimum Elevations
2007**

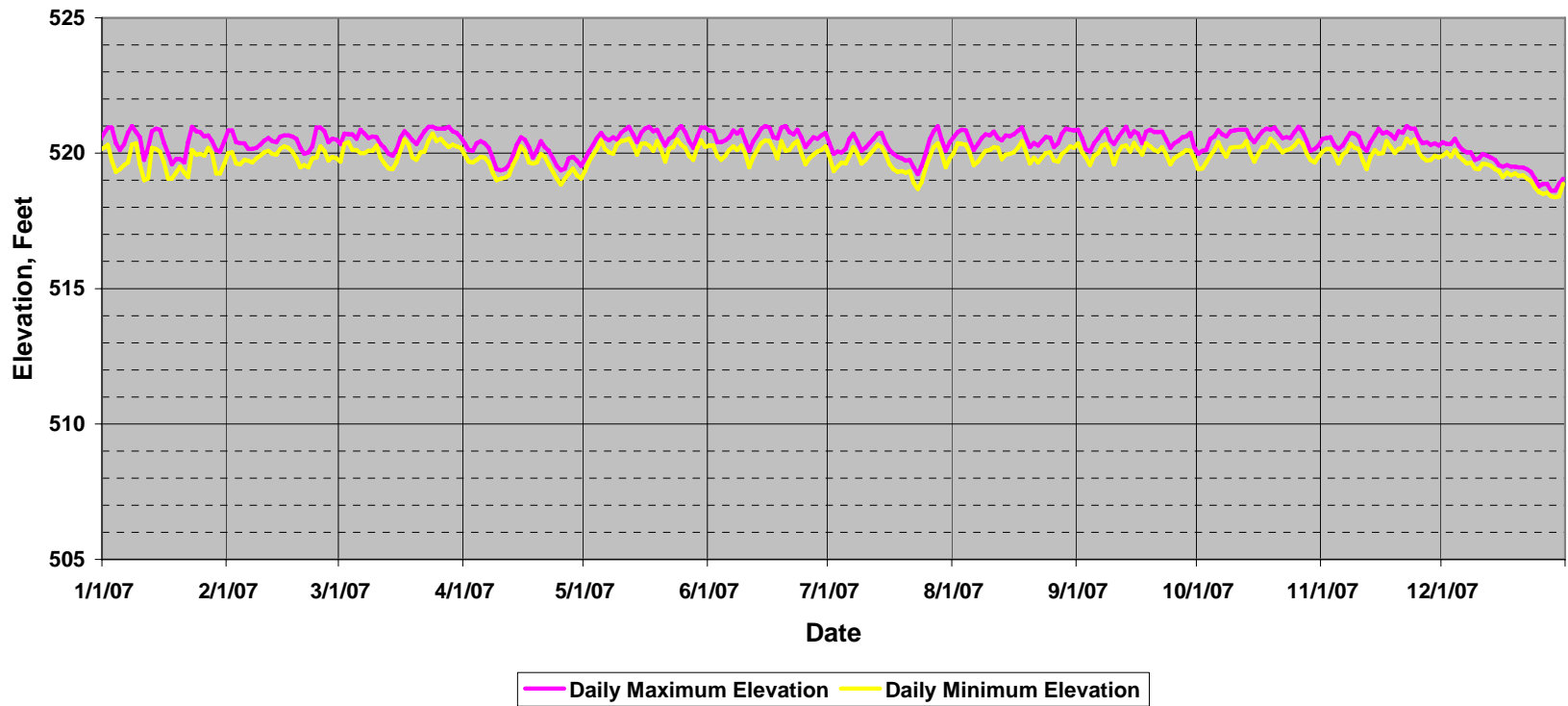


FIGURE 17

**Bartletts Ferry Daily Reservoir Fluctuations
1997 - 2007**

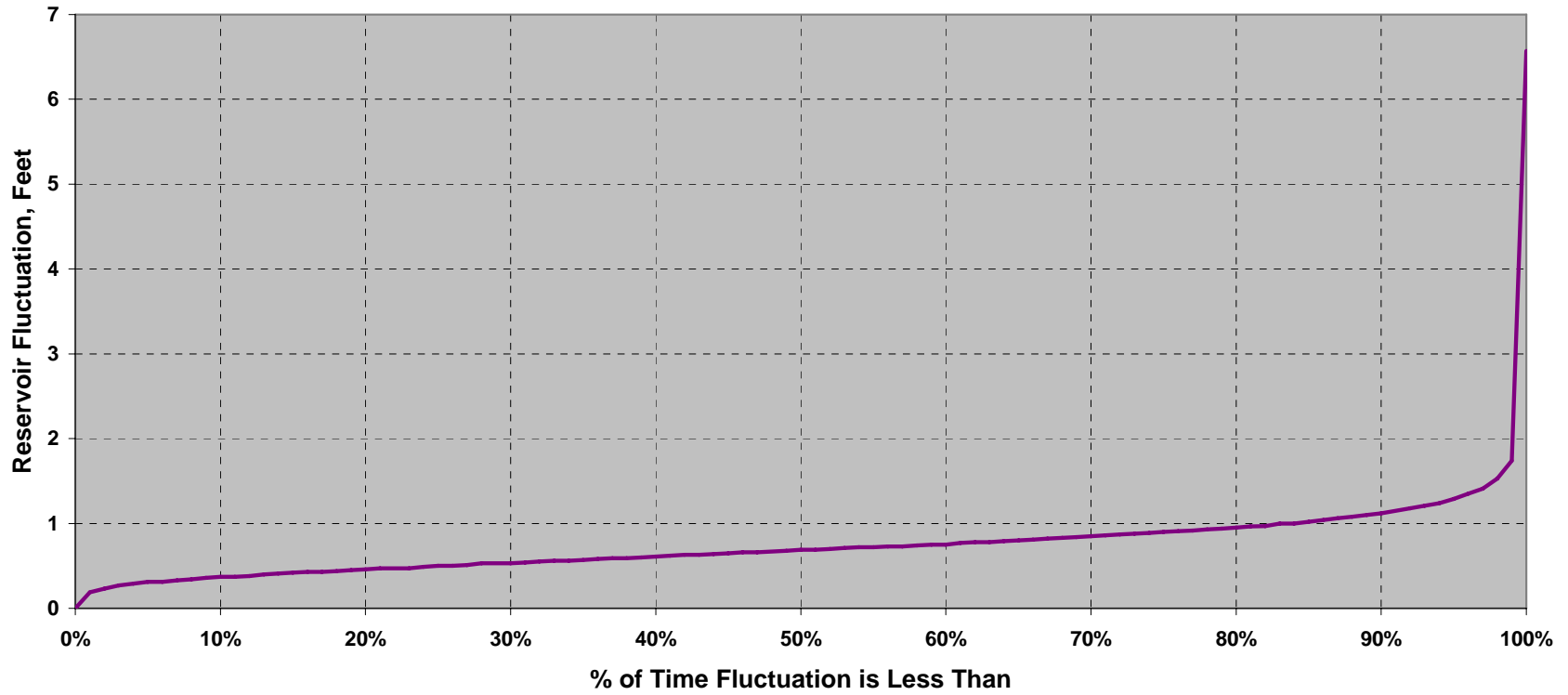


FIGURE 18

**Bartletts Ferry Hourly Reservoir Elevation Statistics
1997-2007**

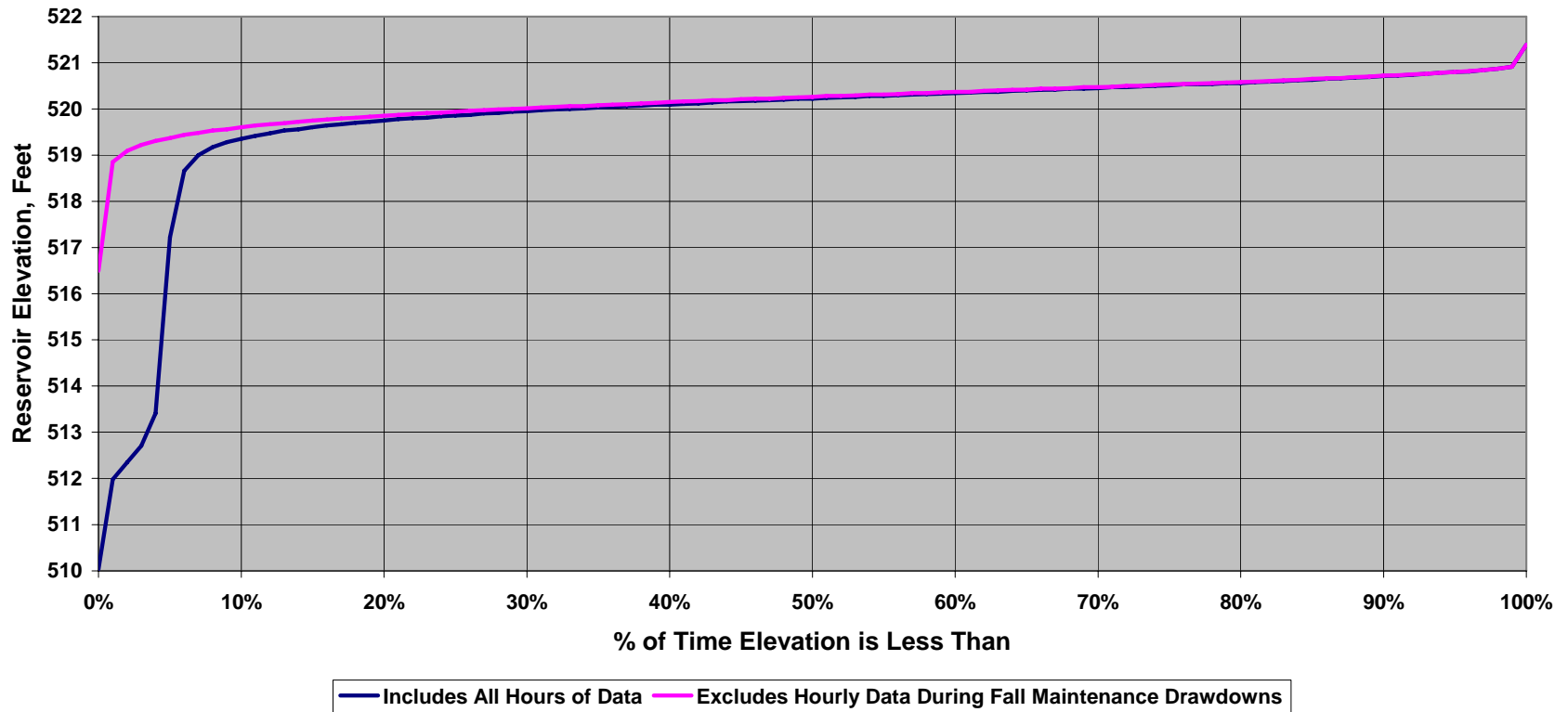


FIGURE 19

**Bartletts Ferry
7- Day Average Inflow and Outflow
1997-2007**

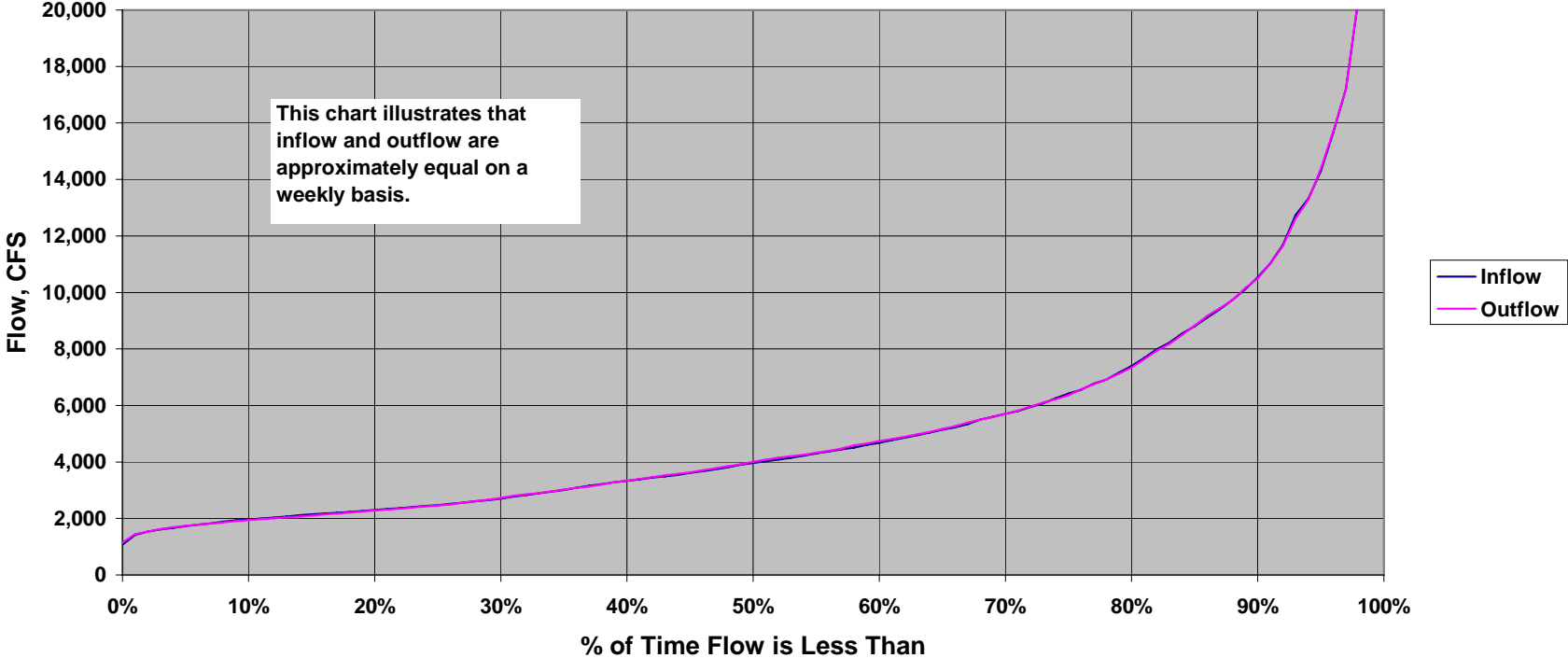


FIGURE 20

**Bartletts Ferry
7- Day Average Inflow and Outflow
1997-2007**

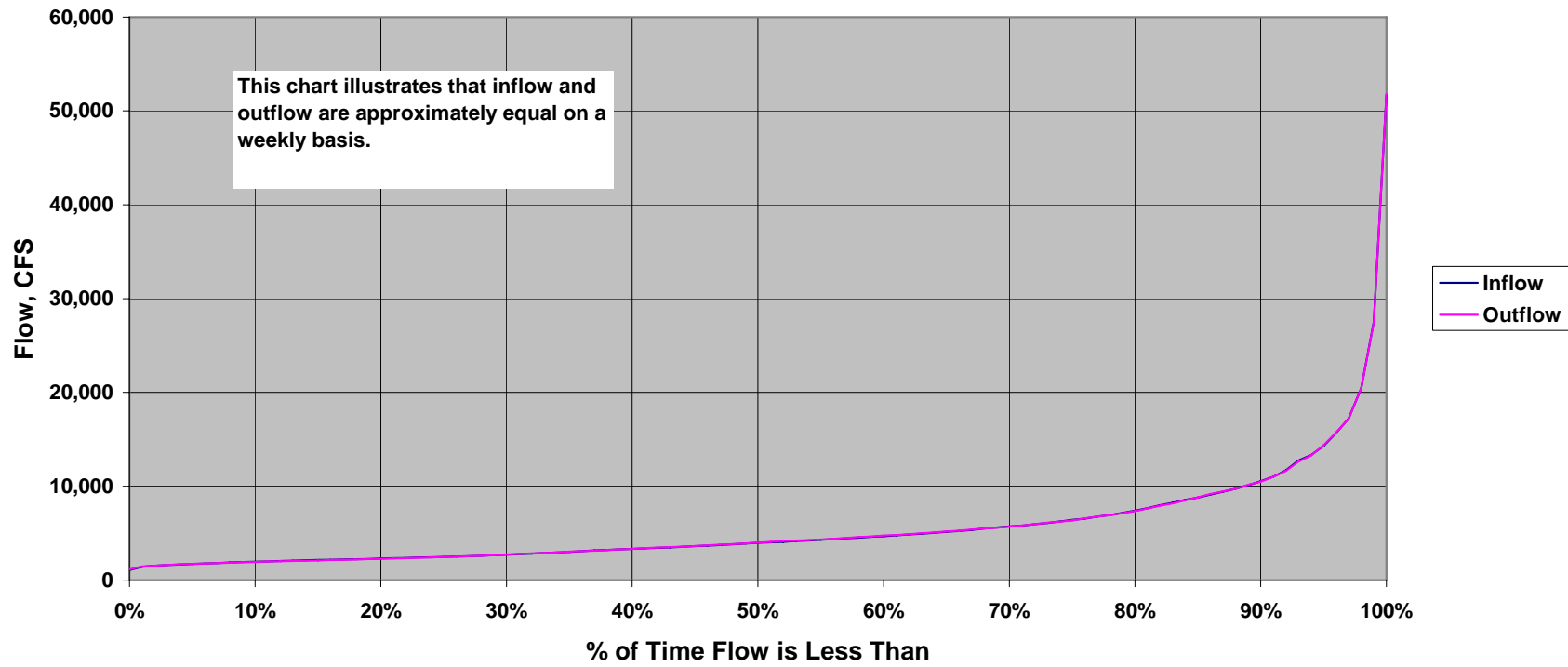


FIGURE 21

**Bartletts Ferry Discharge
1997-2007**

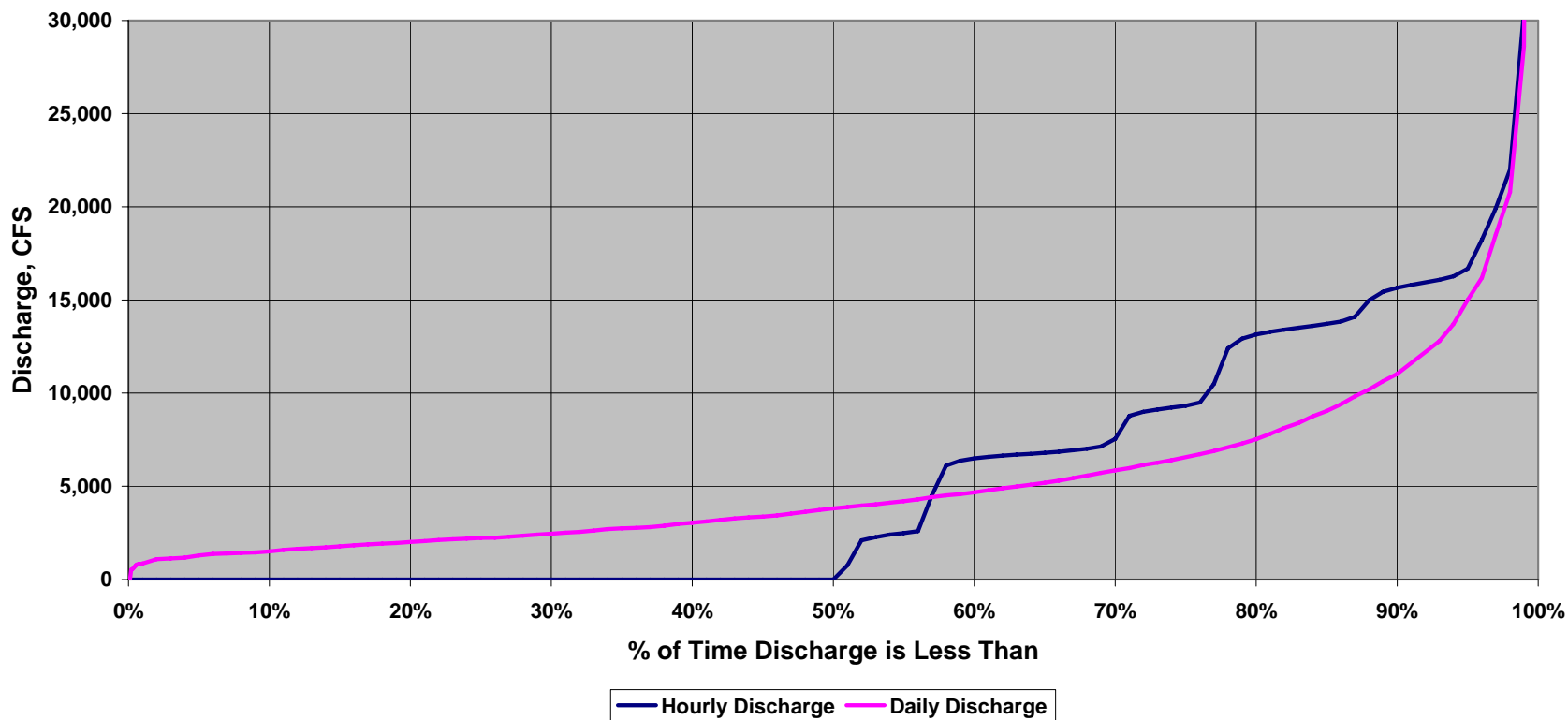


FIGURE 22

**Bartletts Ferry Discharge
1997-2007**

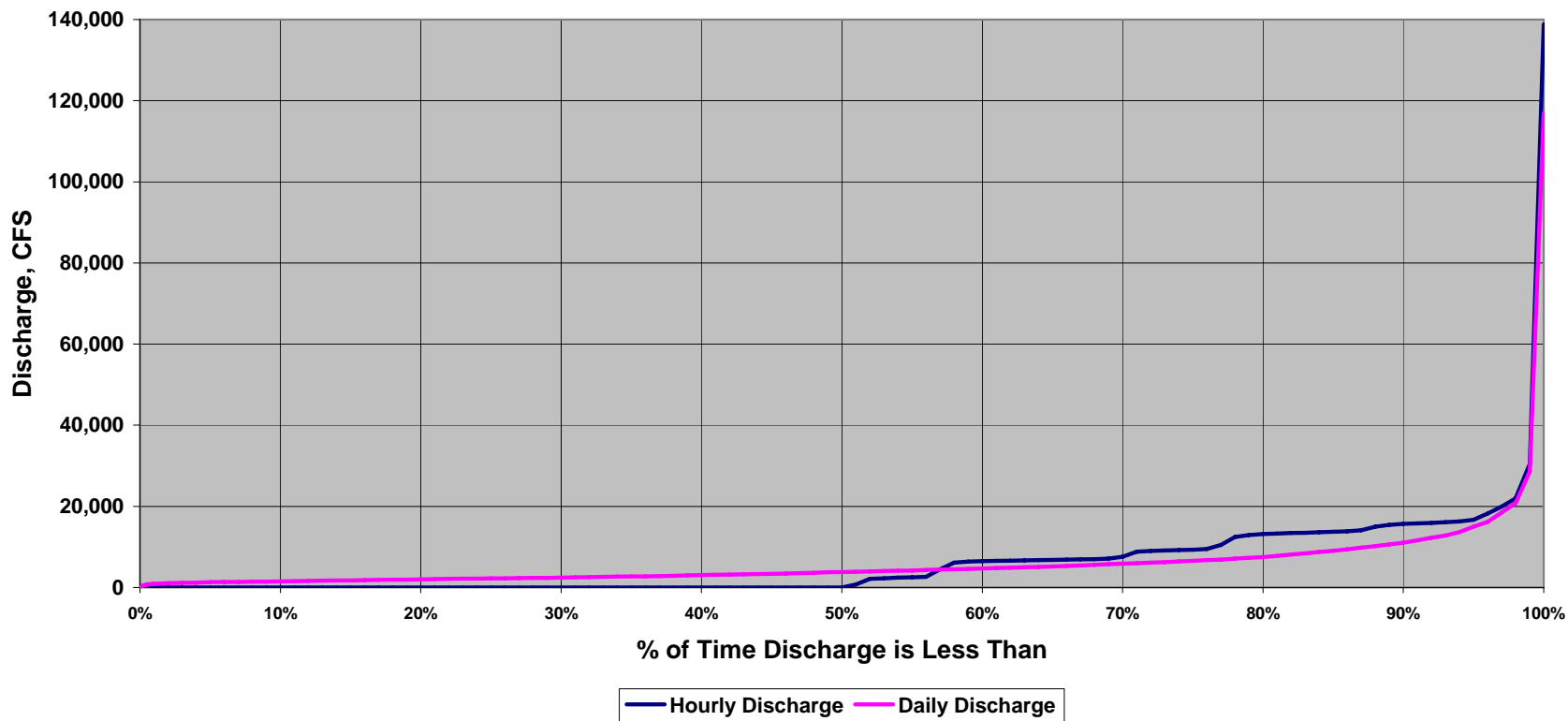


FIGURE 23