U.S. Army Corps
of Engineers
Wilmington District

24 July 2007

Status of Wilmington District US Army Corps of Engineers Reservoir Projects

U.S. Army Corps
of Engineers
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Wilmington District Reservoir Levels

Reservoir	23 July 2007 Level	Guide Curve Level	Bottom Pool Level
Falls Lake	249.1	251.5	236.5*
BE Jordan Lake	215.1	216.0	202.0*
WK Scott Reservoir	1027.0	1030.0	1000.0*
JH Kerr Reservoir	298.7	299.5	293.0**
Philpott Lake	972.4	973.5	951.0**

* Bottom of Conservation Pool
** Bottom of Contract Power Pool

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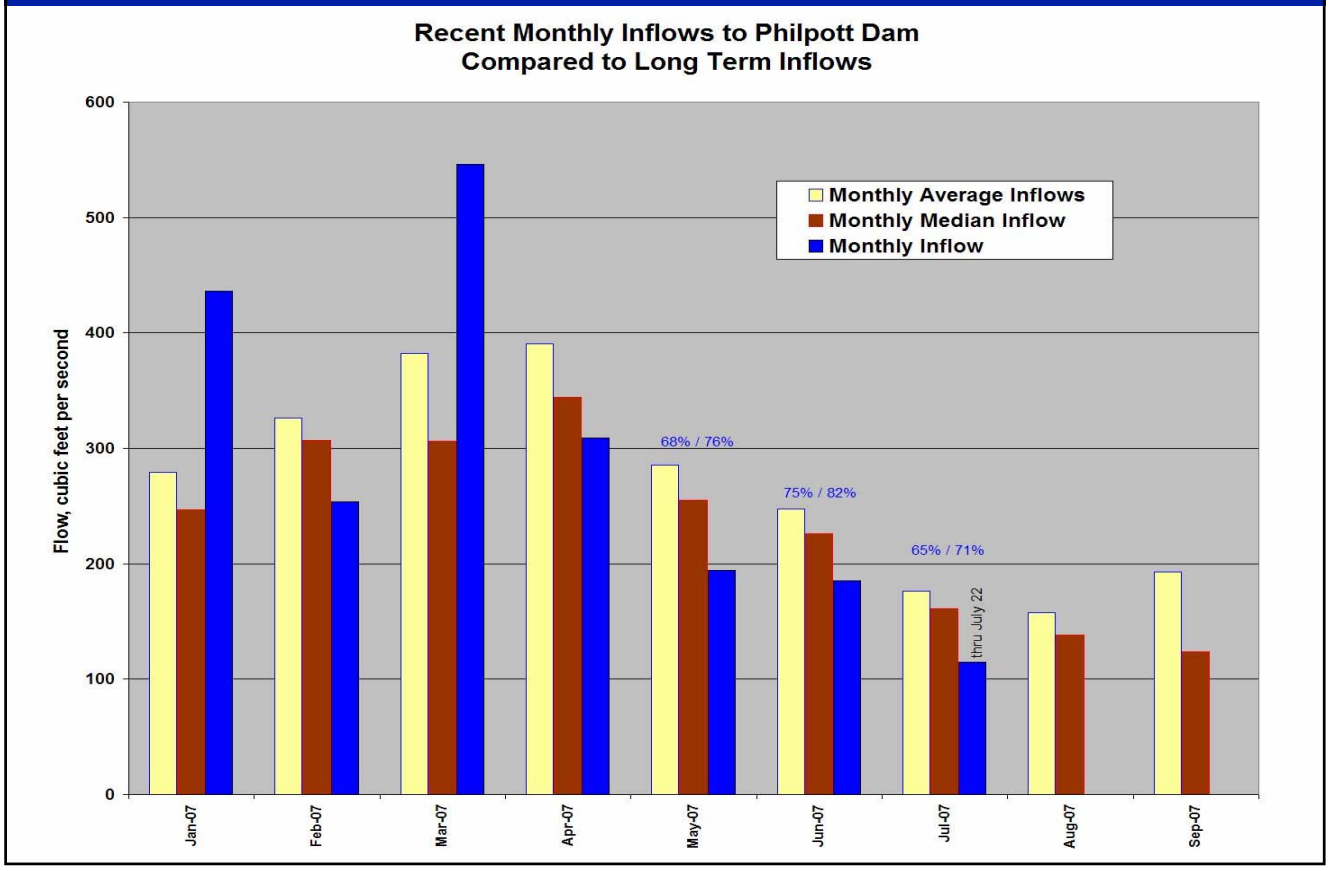
Rainfall Deficits Since 1 January 2007

	Deficit on				
	25 June	2 July	9 July	16 July	23 July
Blacksburg, Va:	-1.03	-1.55	-2.45	-2.43	-3.30
Roanoke, Va:	-5.77	-6.04	-6.95	-6.99	-6.38
Lynchburg, Va:	-3.26	-3.16	-3.97	-4.91	-1.69
Danville, Va:	-5.55	-6.06	-6.86	-5.73	-6.09
Greenville-Spartanburg, SC:	-7.98	-7.78	-8.41	-8.79	-9.85
Asheville, NC:	-9.59	-10.29	-11.05	-9.64	-10.16
Charlotte, NC:	-4.12	-4.34	-5.06	-4.59	-5.20
Greensboro, NC:	-4.54	-5.32	-5.83	-6.51	-7.01
Raleigh-Durham, NC:	-3.36	-3.51	-4.46	-4.51	-3.37
New Bern, NC:	-5.16	-5.85	-5.81	-4.17	-3.86
Cape Hatteras, NC:	-7.78	-7.99	-8.89	-9.47	-10.45
Wilmington, NC:	-9.48	-10.81	-11.83	-13.24	-14.58

Philpott Dam--Roanoke River Basin



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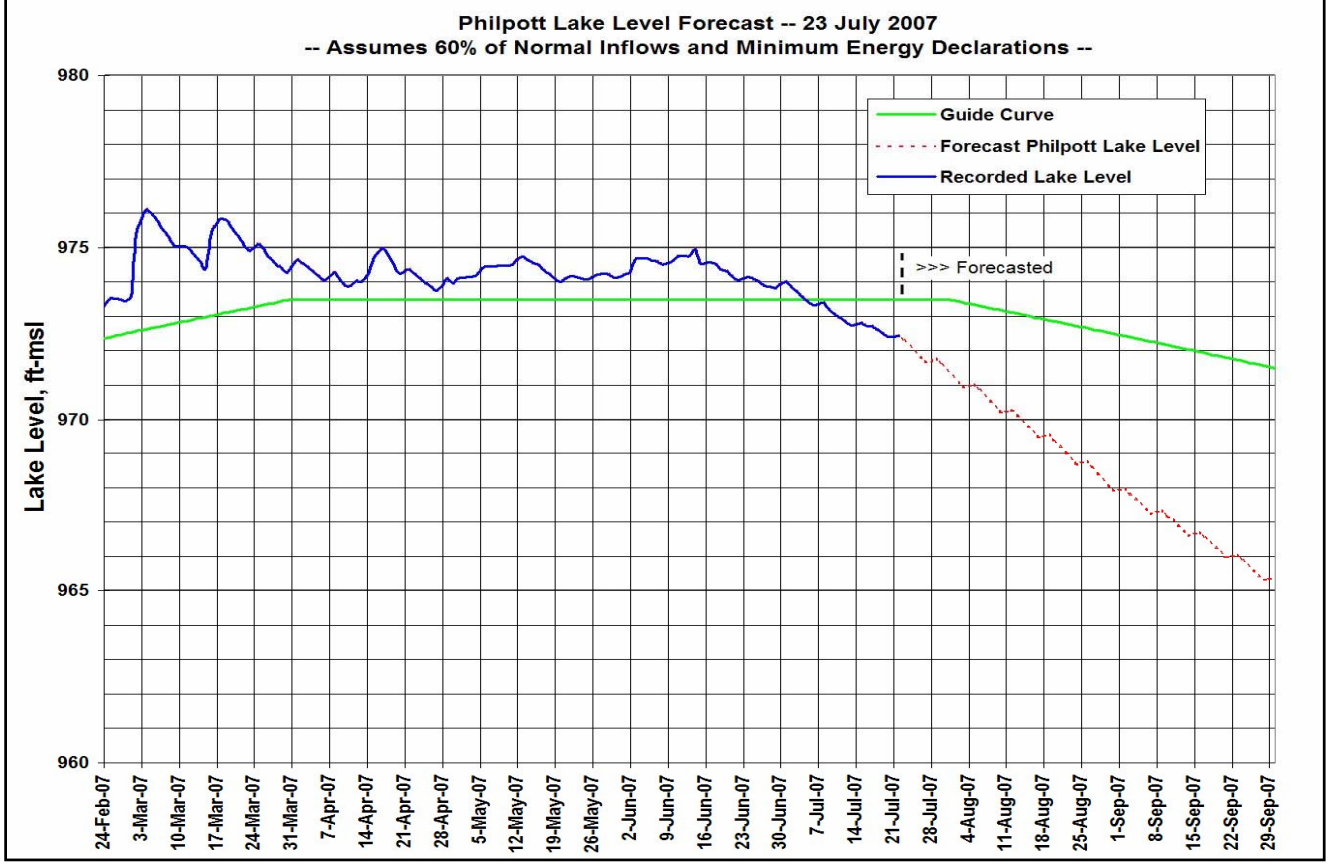
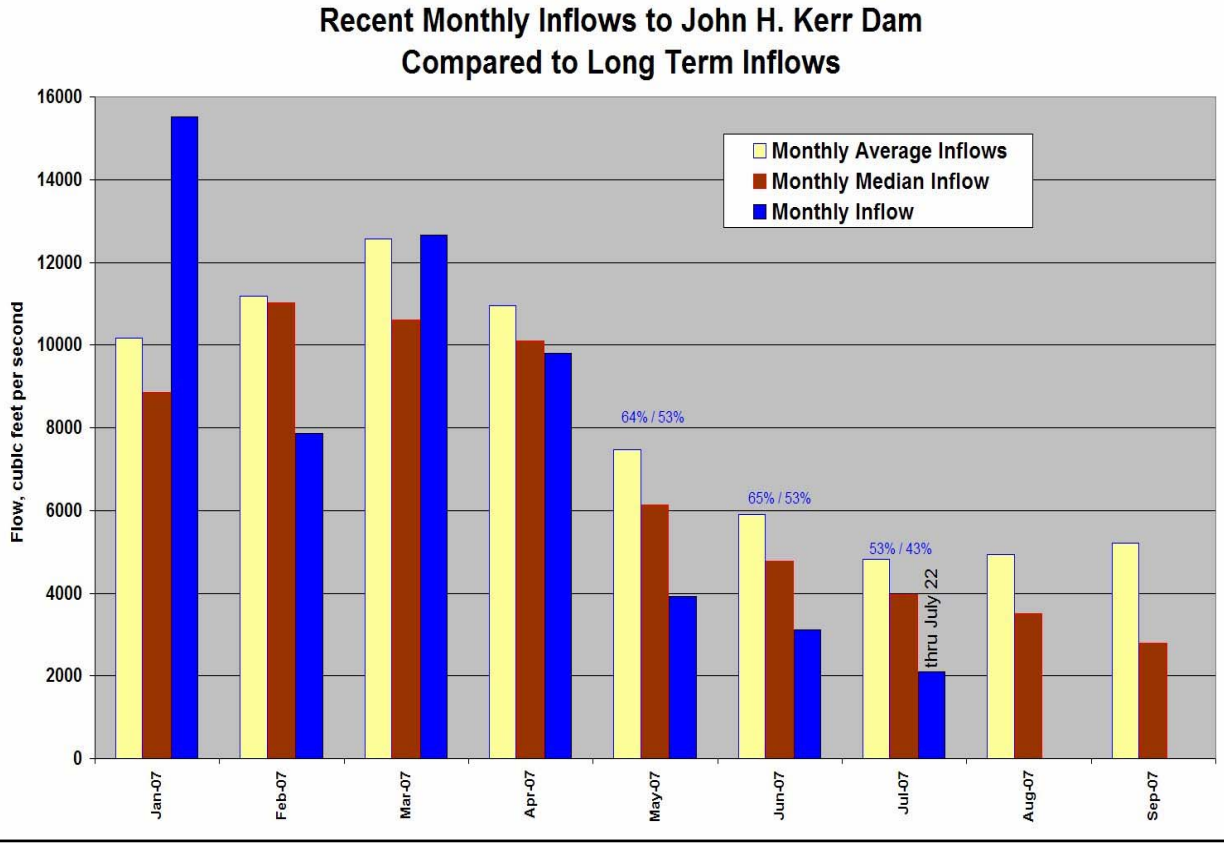


John H. Kerr Dam--Roanoke River Basin



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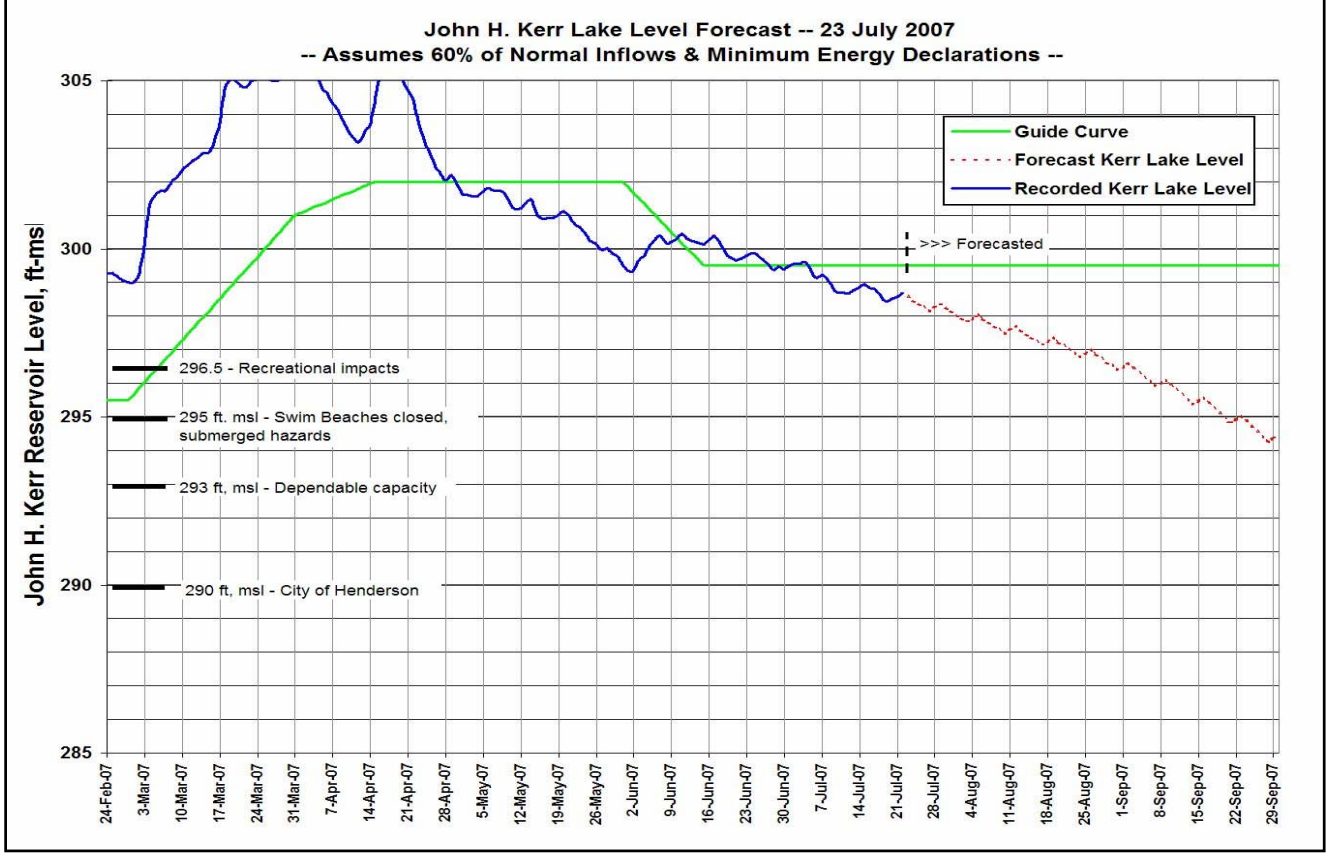
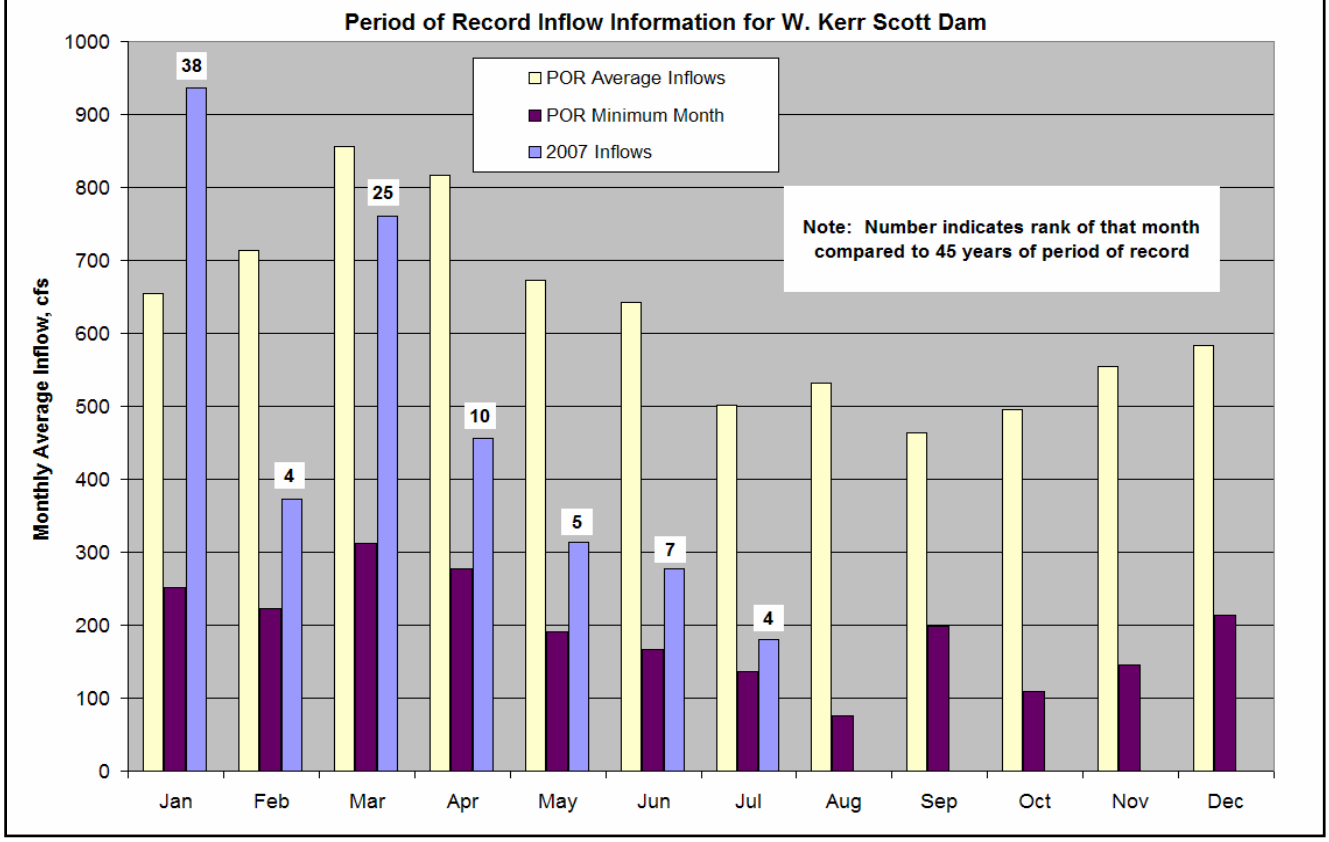


W. Kerr Scott--Yadkin River Basin



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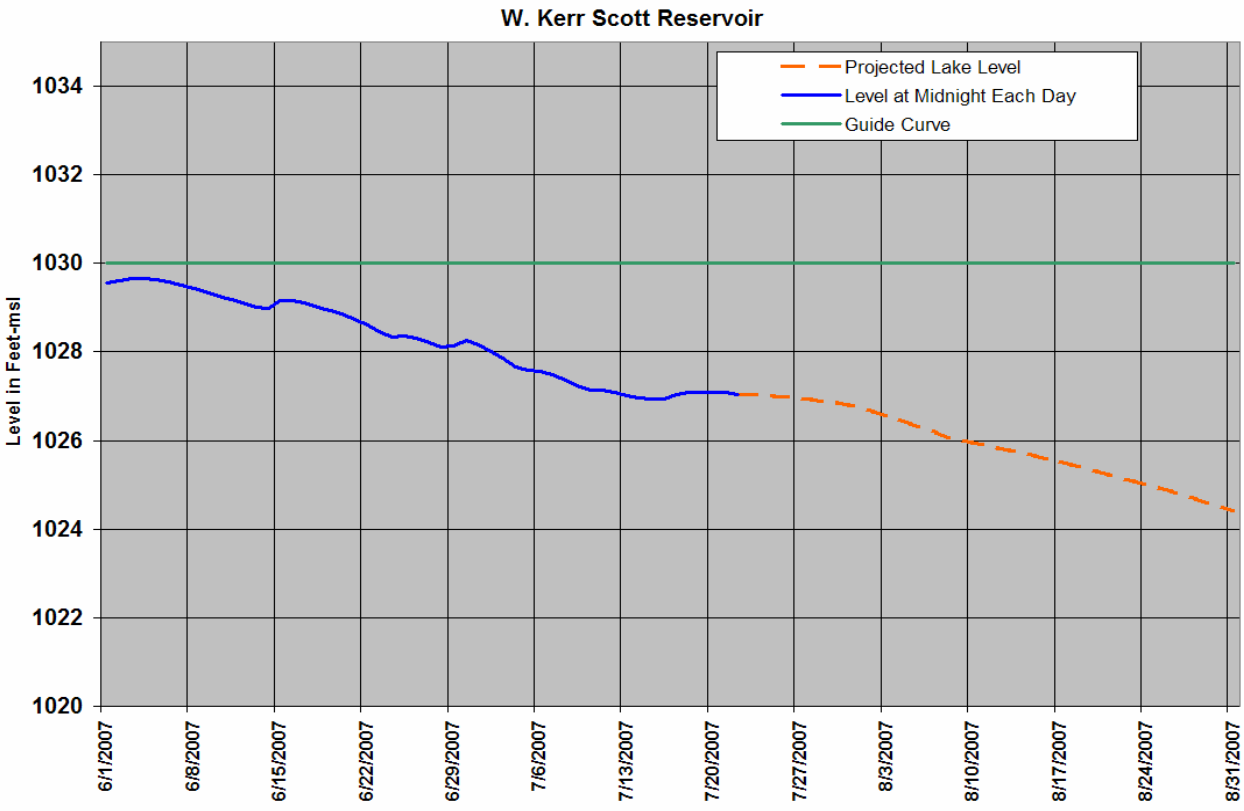

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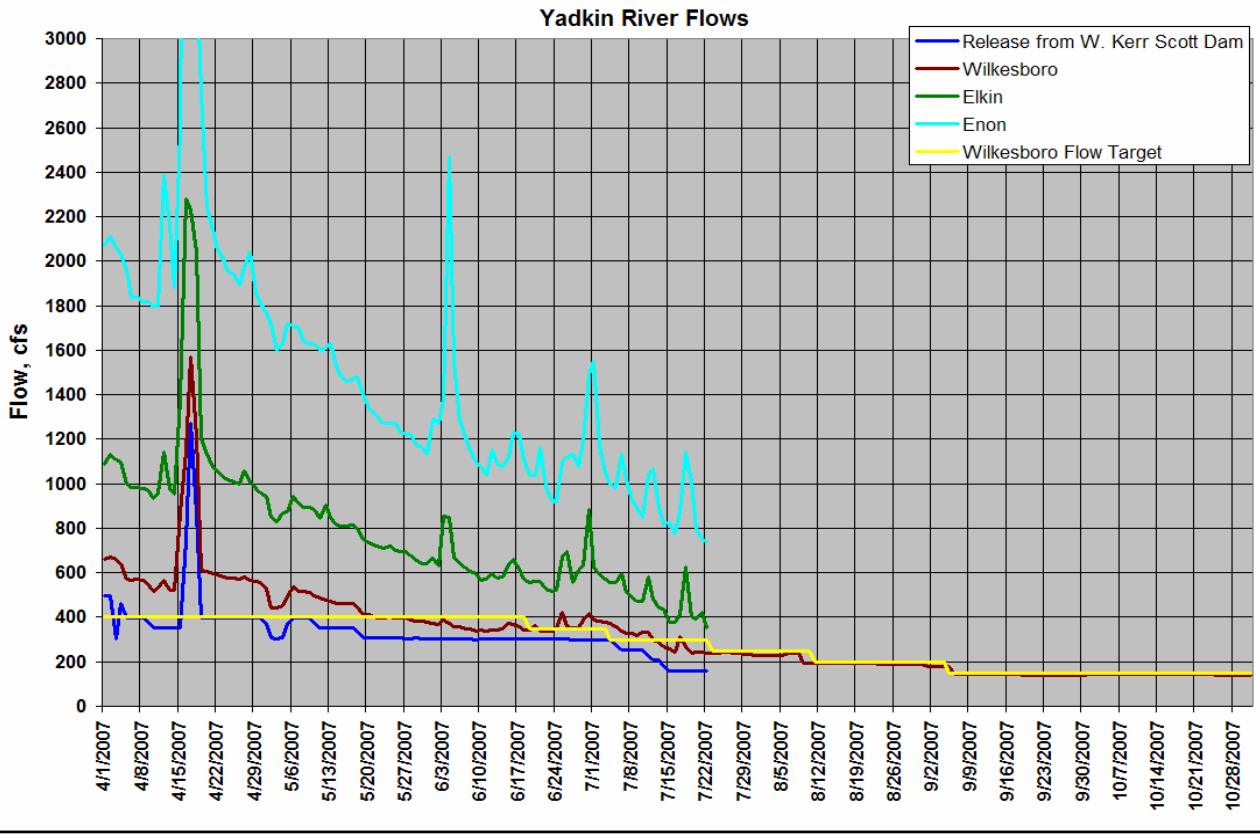
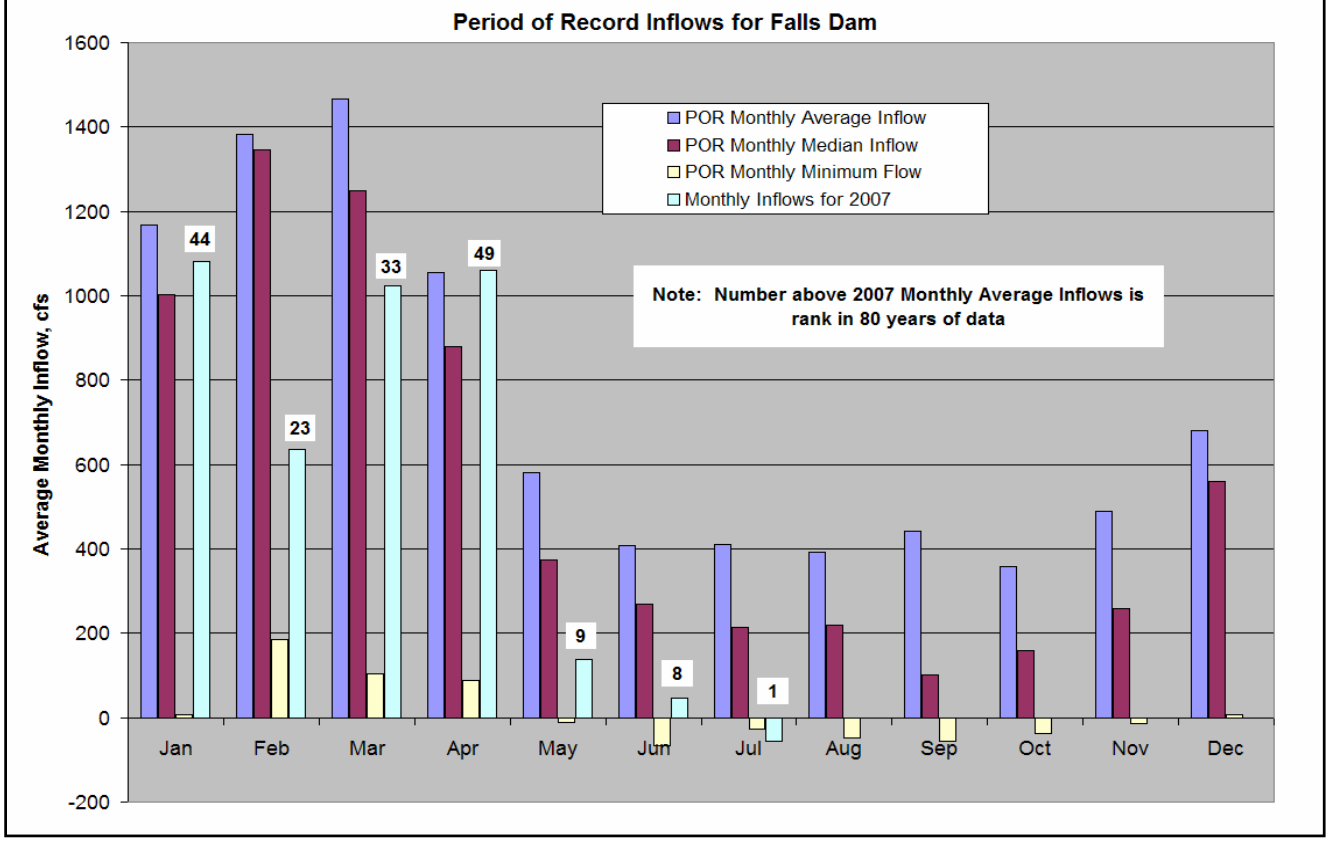


Falls Dam--Neuse River Basin



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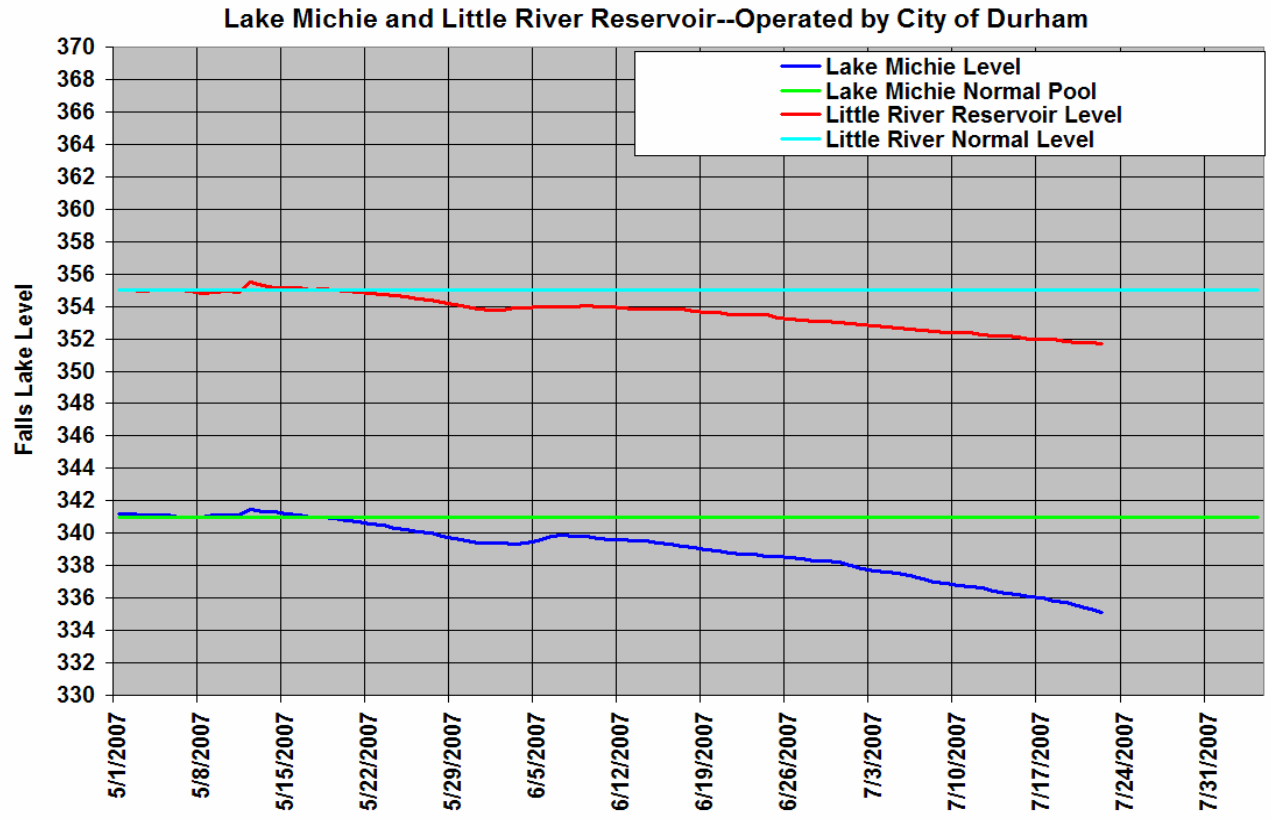

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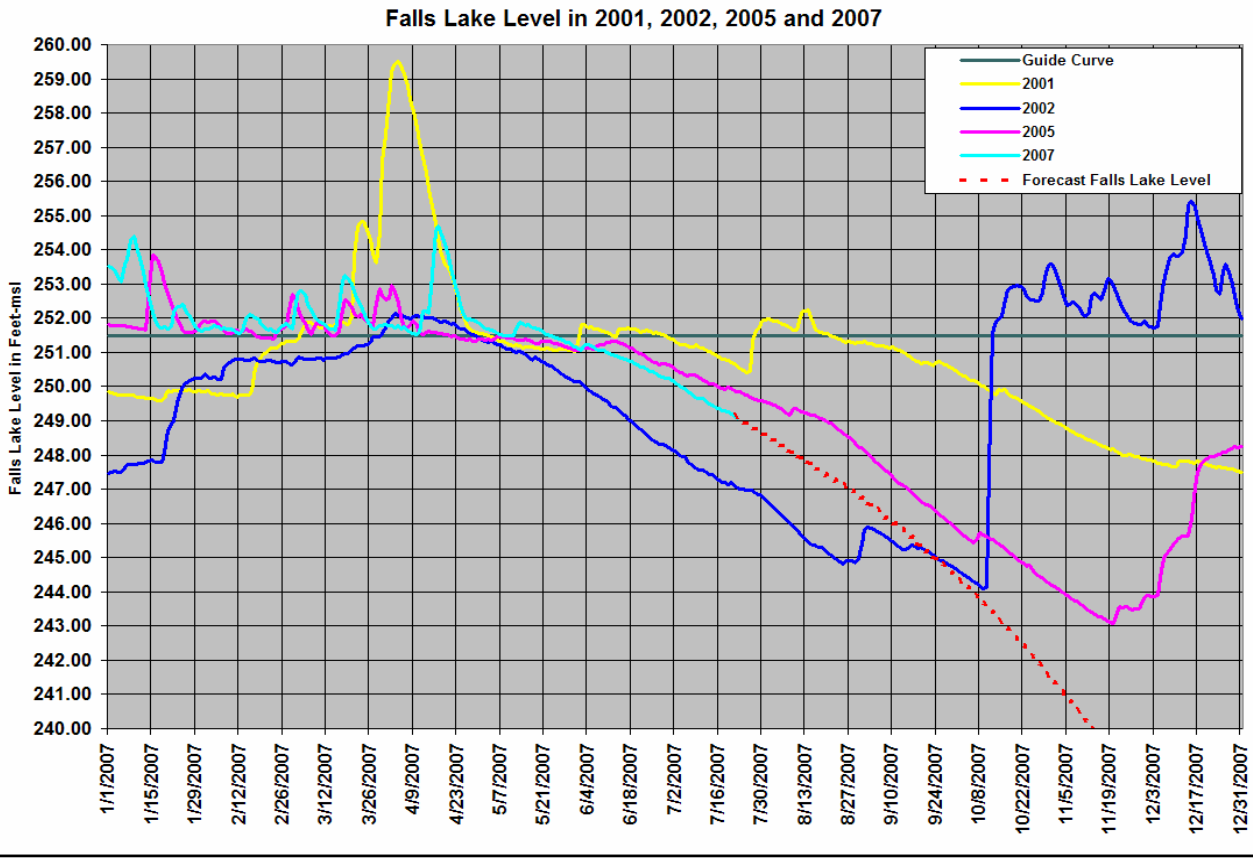

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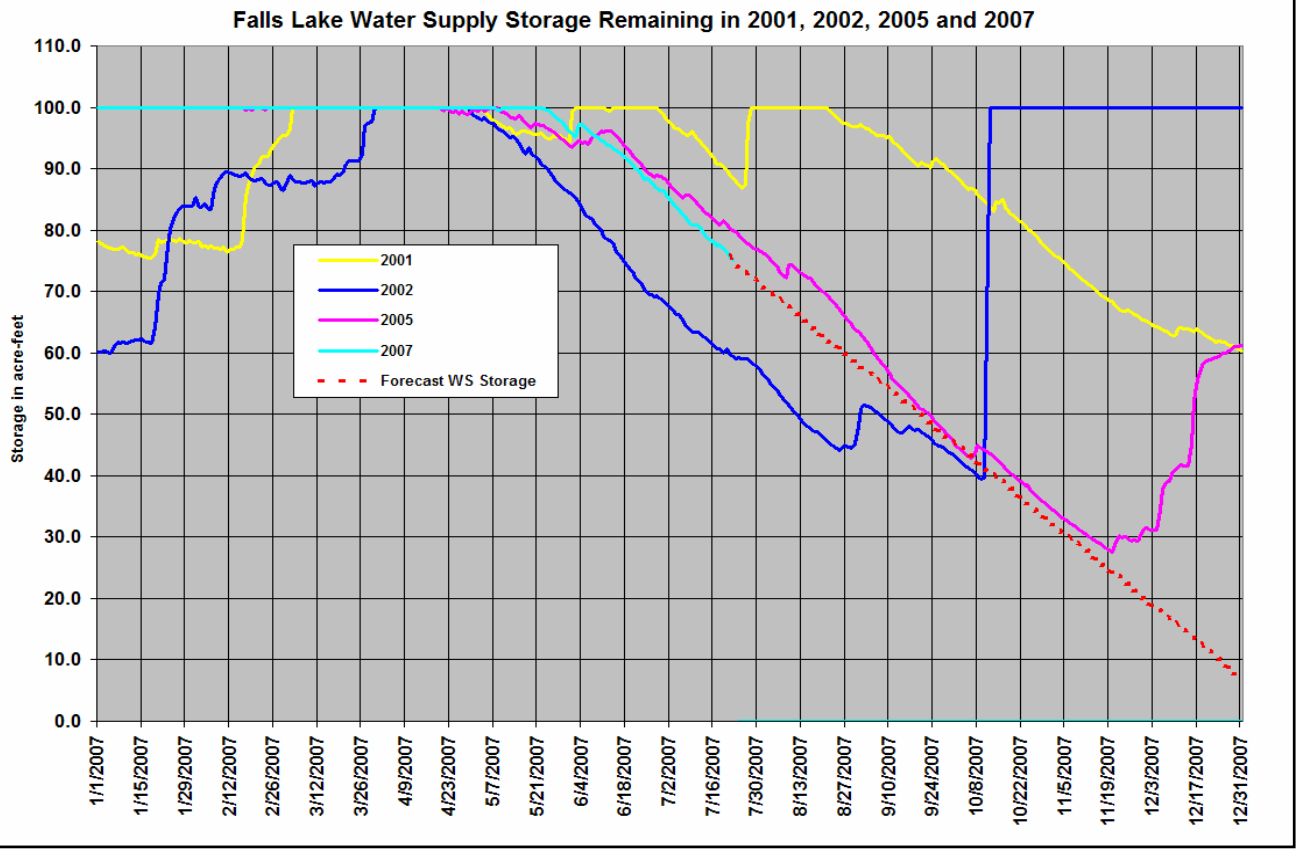

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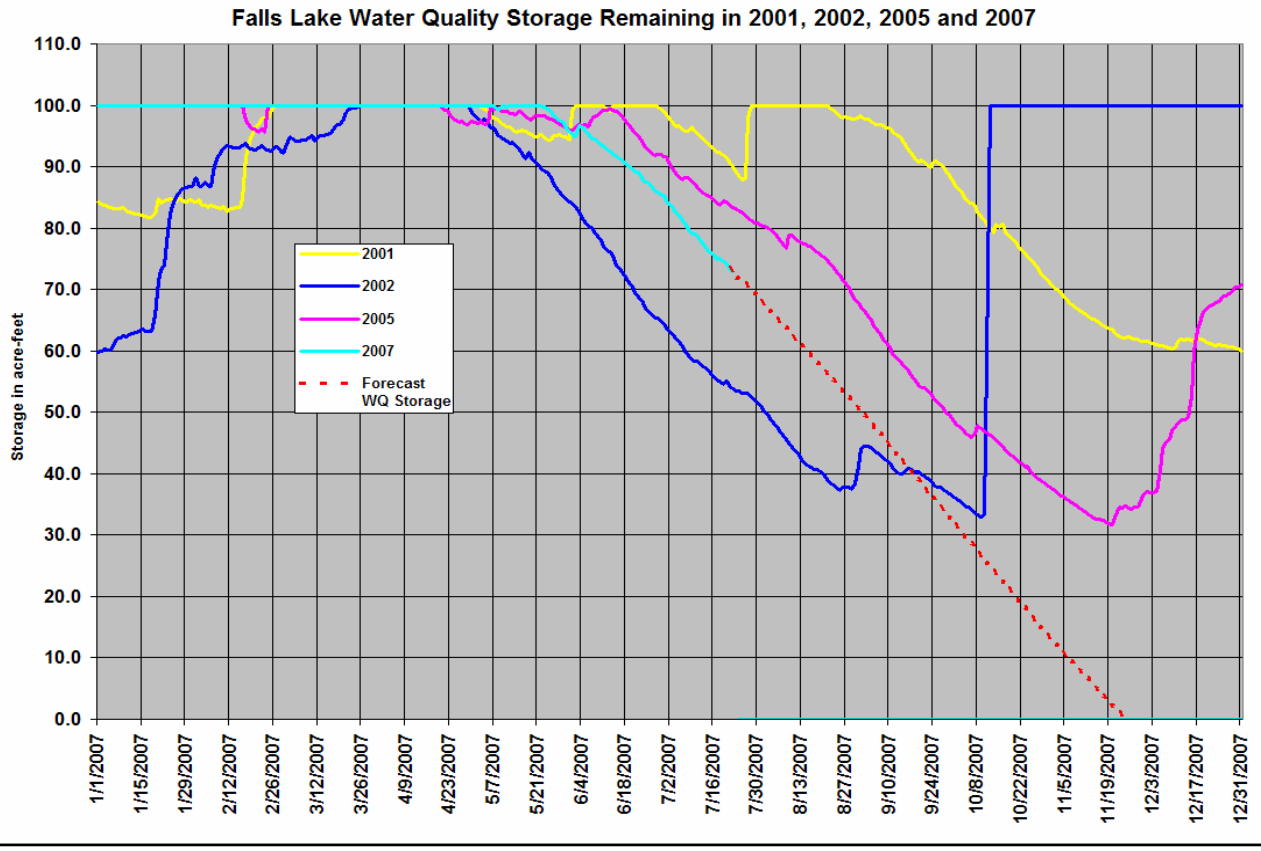

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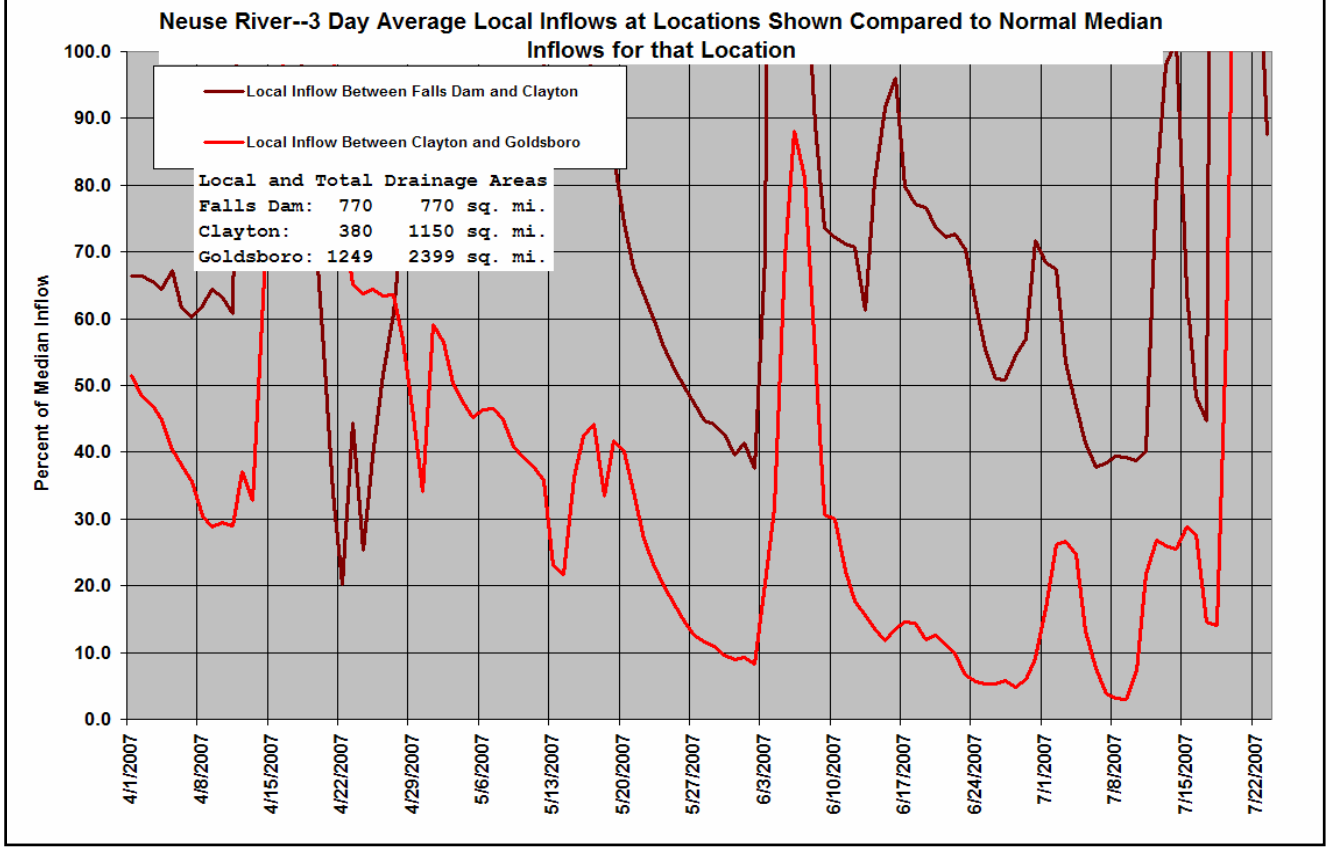

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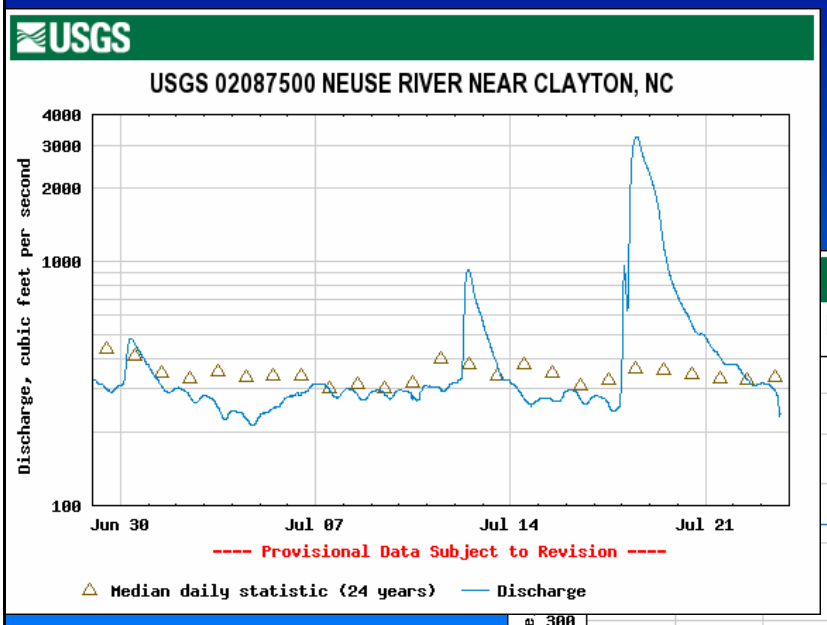
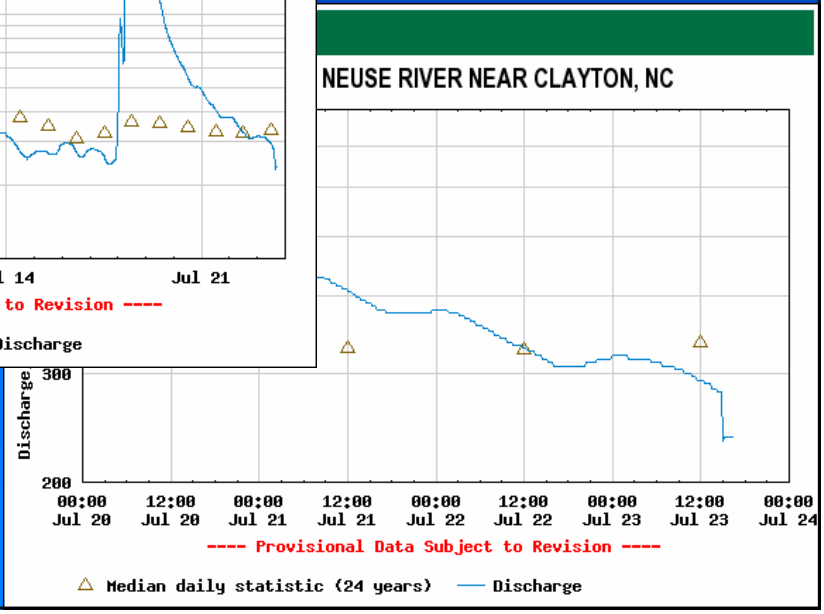
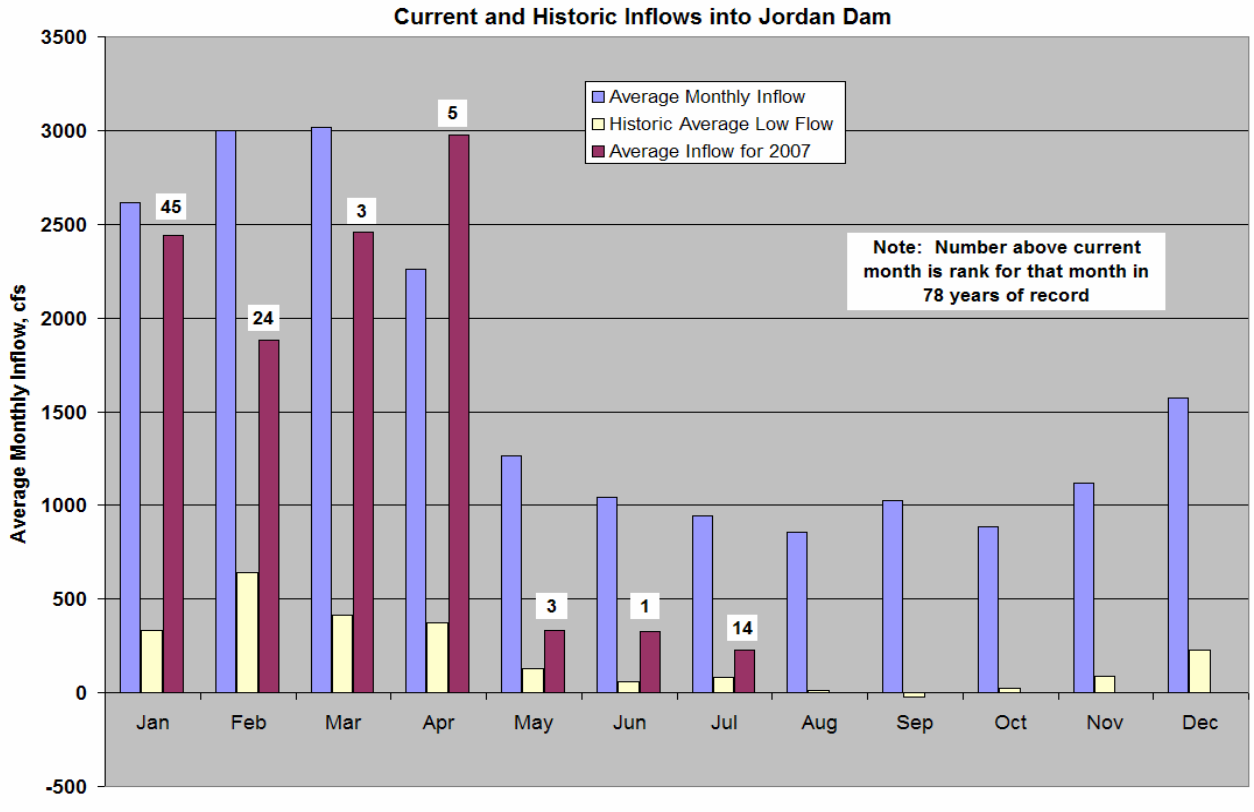




B. Everett Jordan—Cape Fear River Basin



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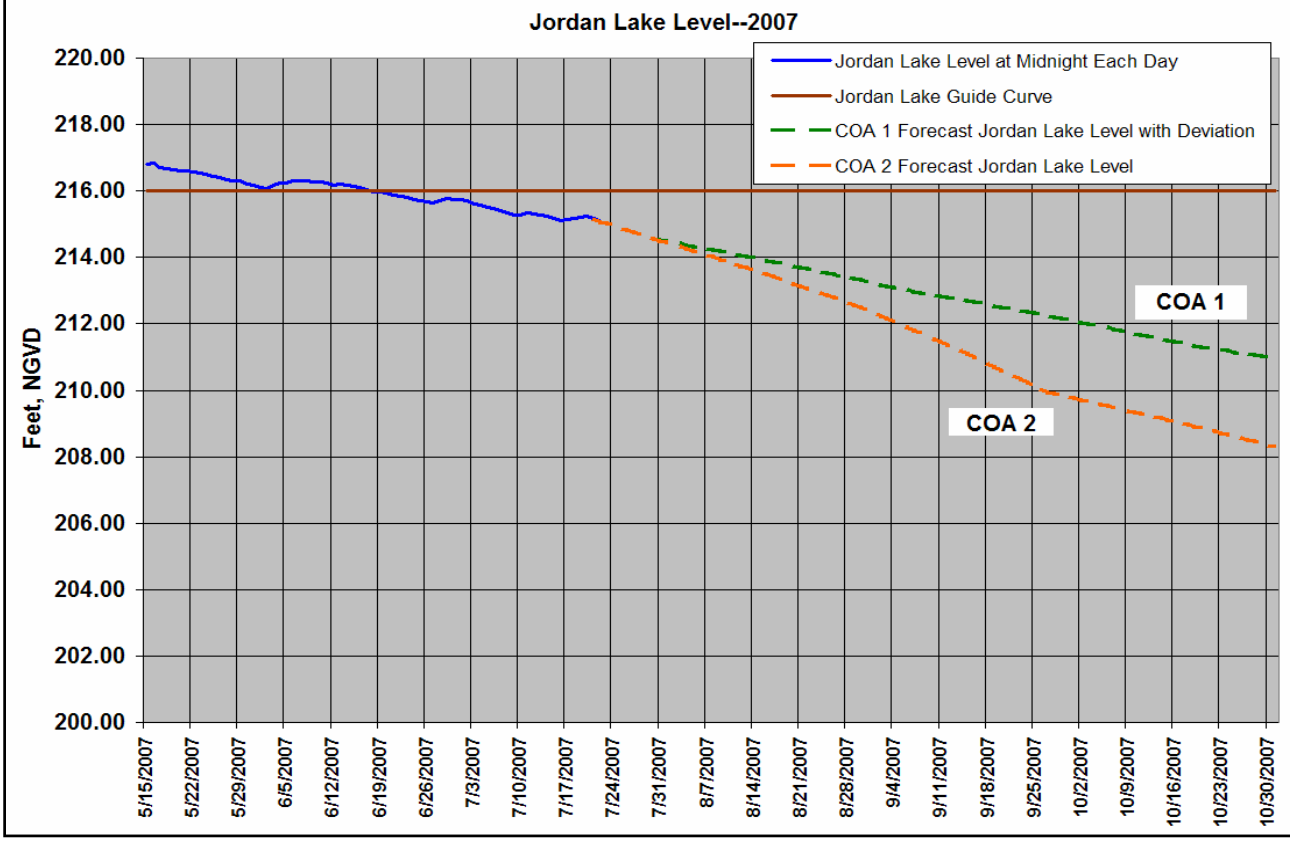

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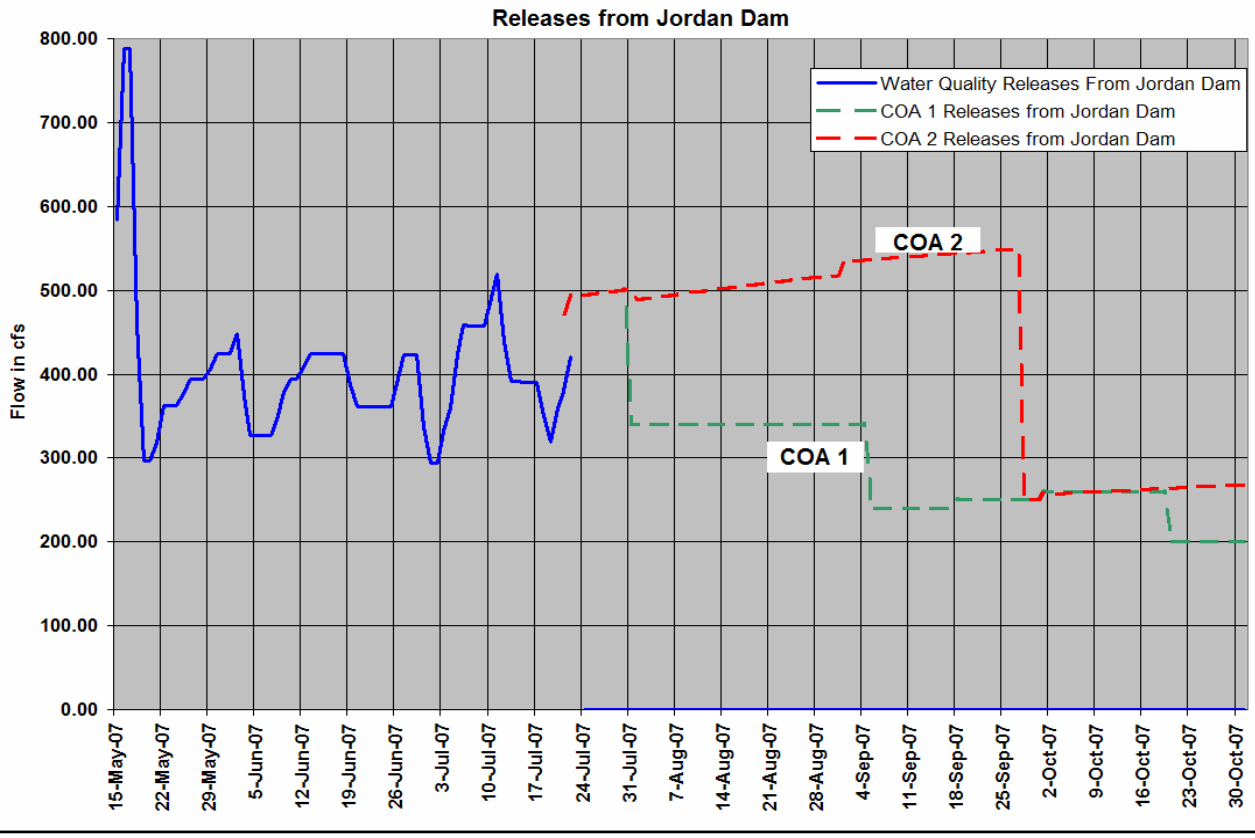

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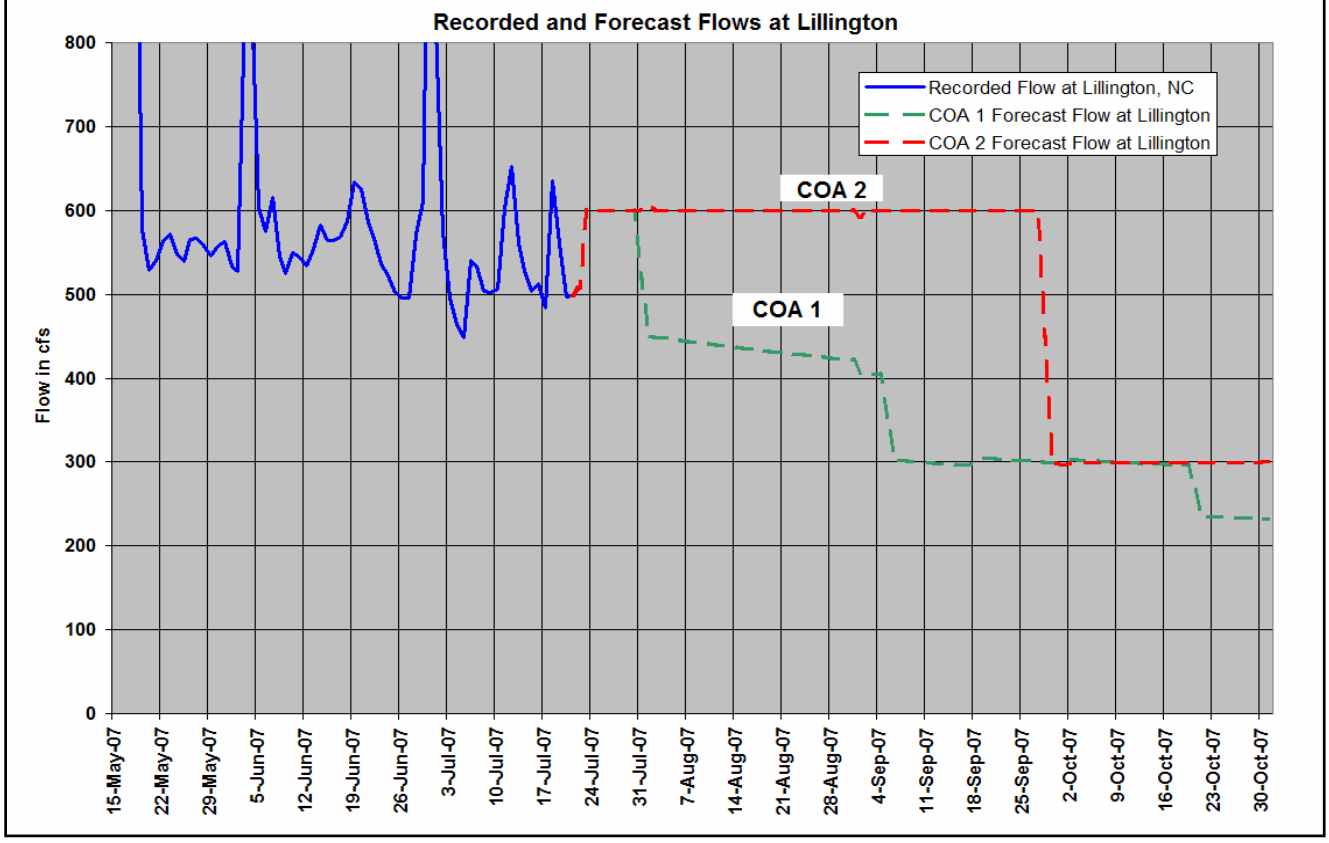

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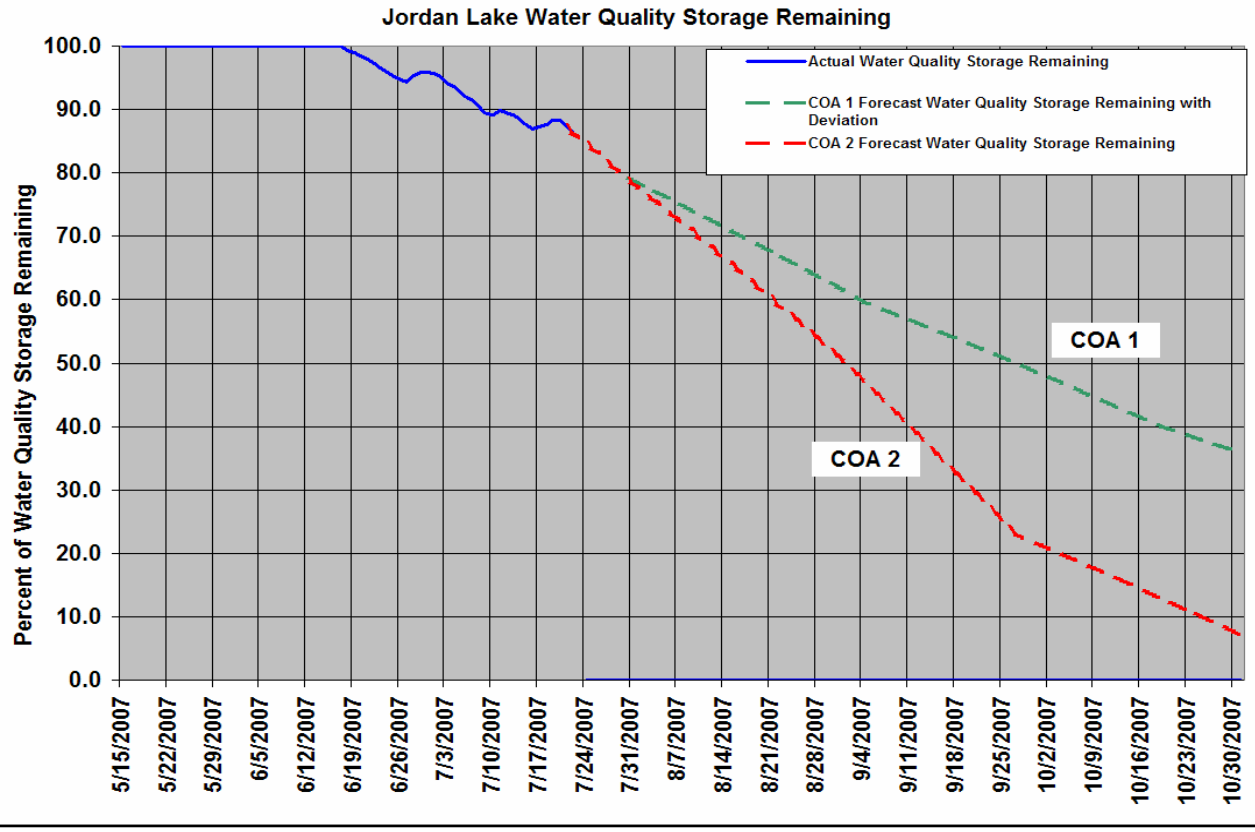

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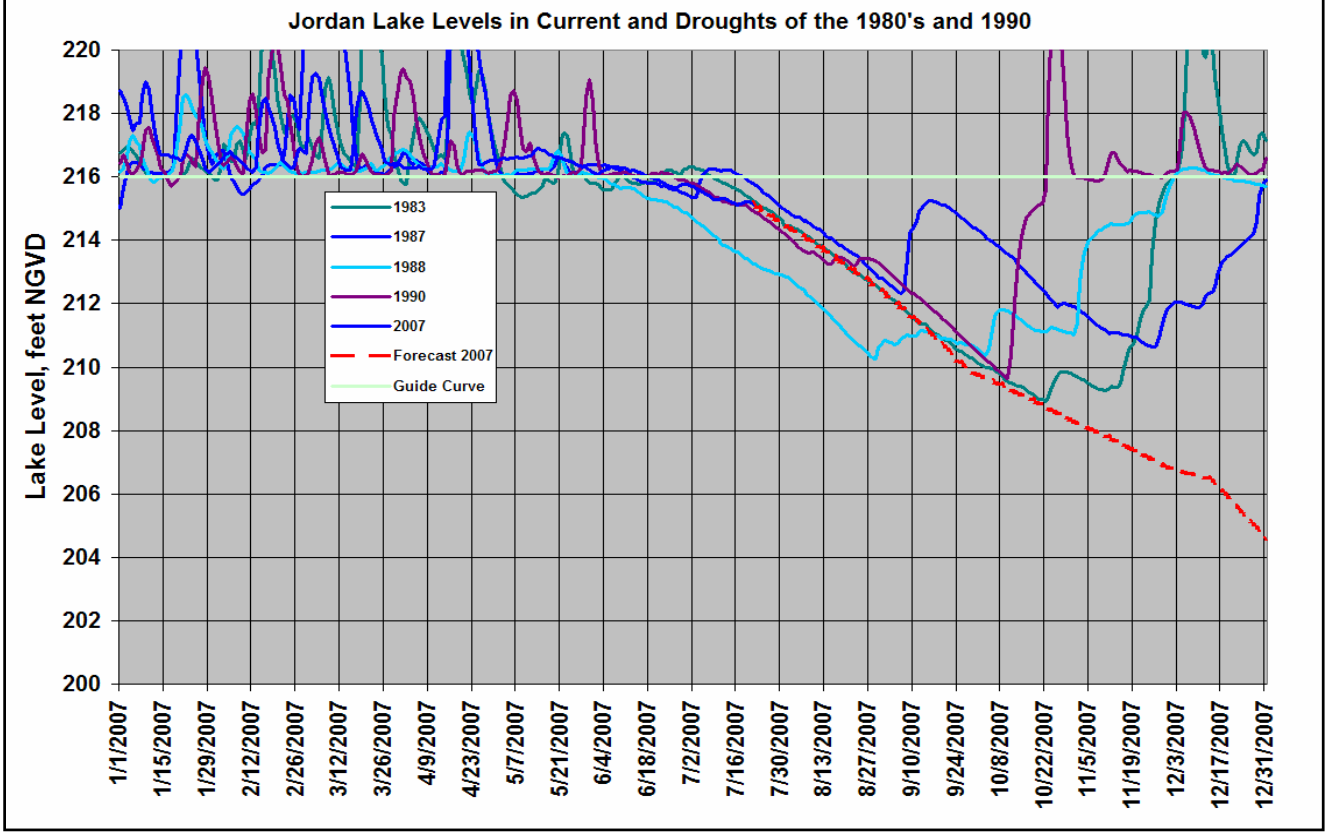

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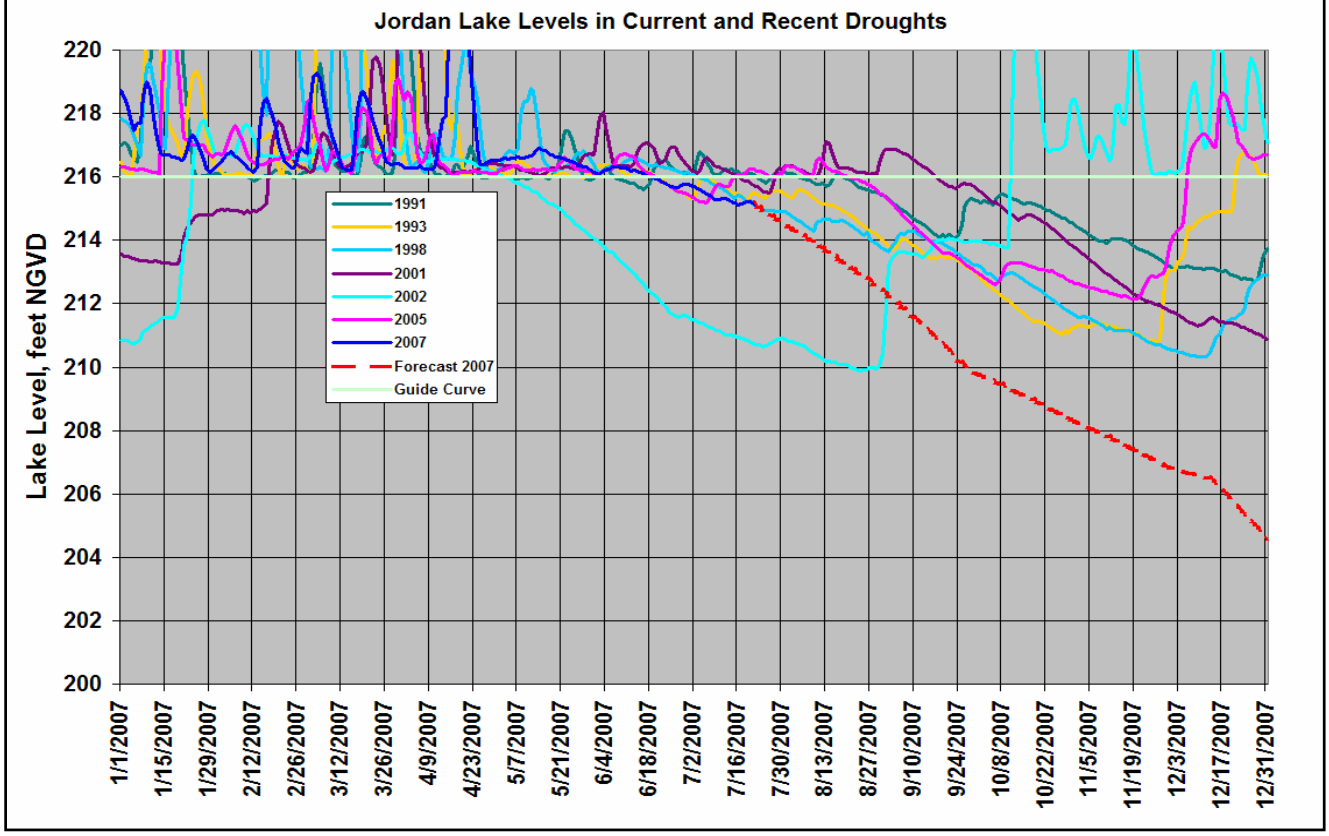

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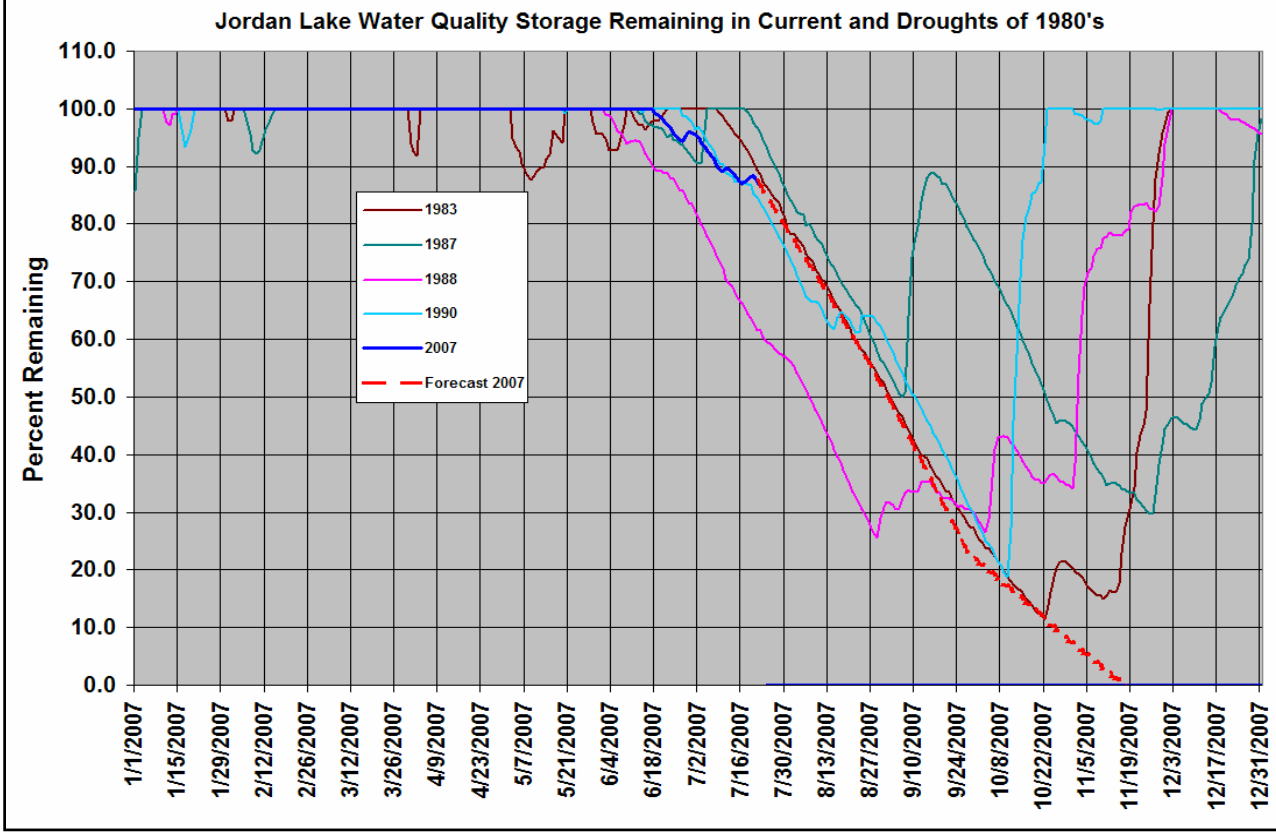

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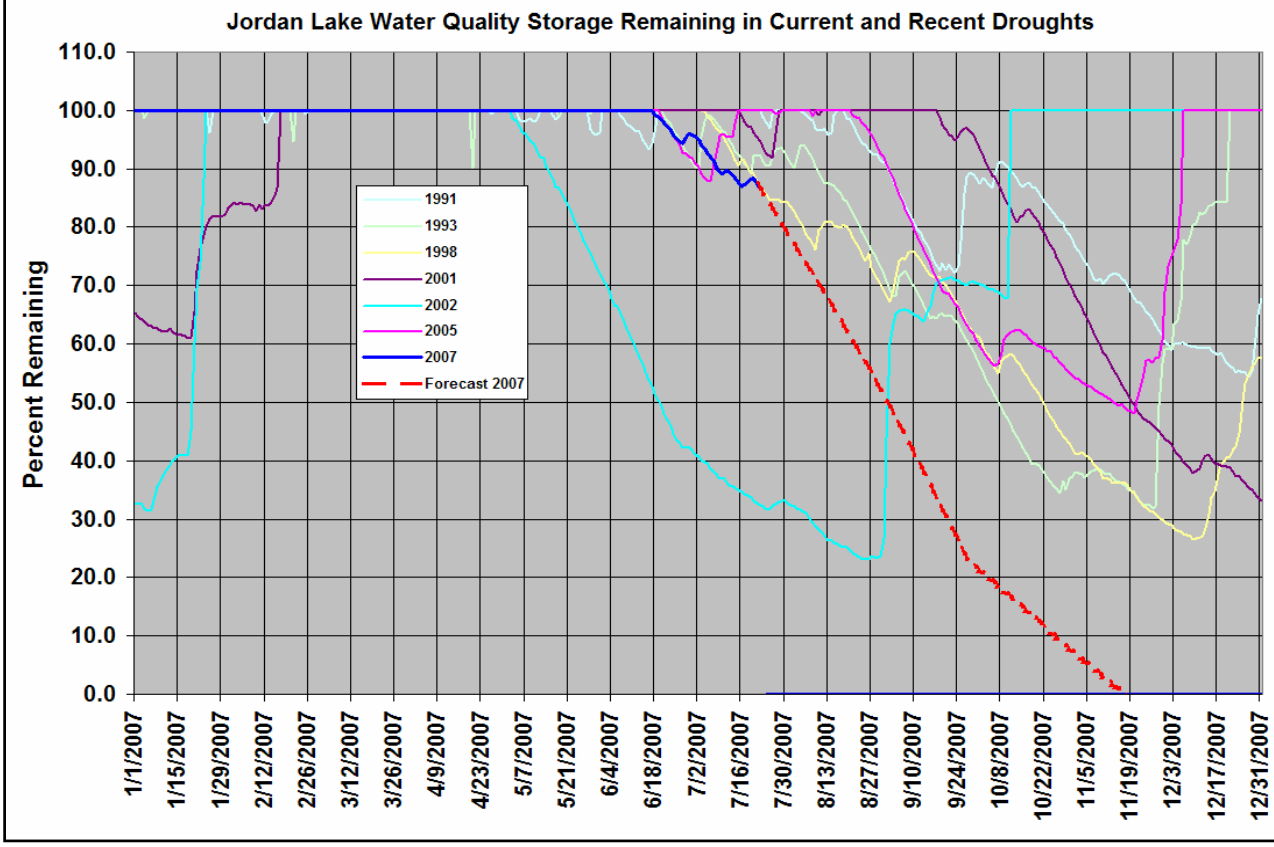

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B. Everett Jordan—Cape Fear River Basin Summary of Old Drought Contingency Plan

Jordan Lake Level	Water Quality or Supply Storage Remaining (%)	Jordan Dam Minimum Release (cfs)	Lillington Daily Average Flow Target (cfs)	Action Item	Suggested Water Supply Conservation Status
207-210	> 23	40	600 +/- 50	Increase awareness	Normal
< 207	> 23	40	600 +/- 50	Convene Drought Management Committee to determine courses of action	Voluntary
< 207	< 23	TBD	TBD	Determine needed target flows and action items	Mandatory
< 202	< 0	TBD	TBD	Consult and develop actions to be taken	Emergency

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B. Everett Jordan—Cape Fear River Basin Summary of Proposed Drought Contingency Plan

Drought Level	Water Quality Storage Remaining (%)	Jordan Dam Minimum Release (cfs)	Jordan Dam Maximum Release (cfs)	Lillington Daily Average Flow Target (cfs)	Suggested Water Supply Conservation Status
0	80 – 99.9	40	600	600 +/- 50	Normal
1	60 – 80	40	600	450 - 600 +/- 50	Voluntary
2	40 – 60	40	600	300 - 450 +/- 50	Mandatory
3	20 – 40	200		None*	Mandatory, but Emergency at 30%
4	00 – 20	100		None*	Emergency

* Lillington flow will be total of Jordan Dam release plus local inflow

Conditions for this alternative include:

1. Continued and possible extended coordination with stakeholders
2. No skipping levels and a minimum of 7 days before going to the next level
3. Field monitoring of water quality conditions downstream. Response levels may be extended if warranted.