

Environmental Review Commission

Drought Update and Water-Use Data

Division of Water Resources
February 14, 2008



Drought Update



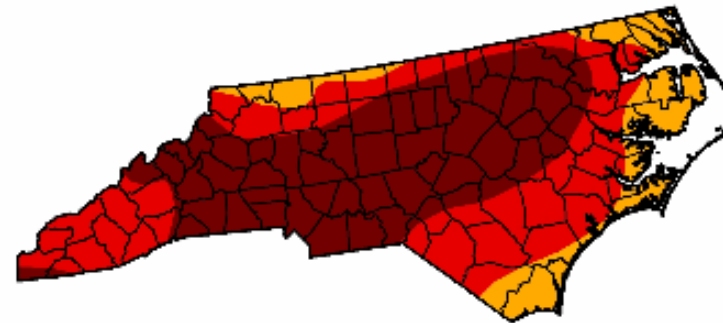
Current Conditions Drought Monitor

U.S. Drought Monitor North Carolina

February 5, 2008
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.0	100.0	100.0	100.0	85.2	49.2
Last Week (01/29/2008 map)	0.0	100.0	100.0	100.0	85.4	49.3
3 Months Ago (11/13/2007 map)	0.0	100.0	100.0	87.2	46.5	20.4
Start of Calendar Year (01/01/2008 map)	0.0	100.0	100.0	100.0	83.7	51.3
Start of Water Year (10/02/2007 map)	0.0	100.0	100.0	92.8	79.4	37.7
One Year Ago (02/06/2007 map)	96.4	3.6	0.0	0.0	0.0	0.0



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

*The Drought Monitor focuses on broad-scale conditions.
Local conditions may vary. See accompanying text summary
for forecast statements*

<http://drought.unl.edu/dm>



Released Thursday, February 7, 2008

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Unofficial Rainfall Estimates

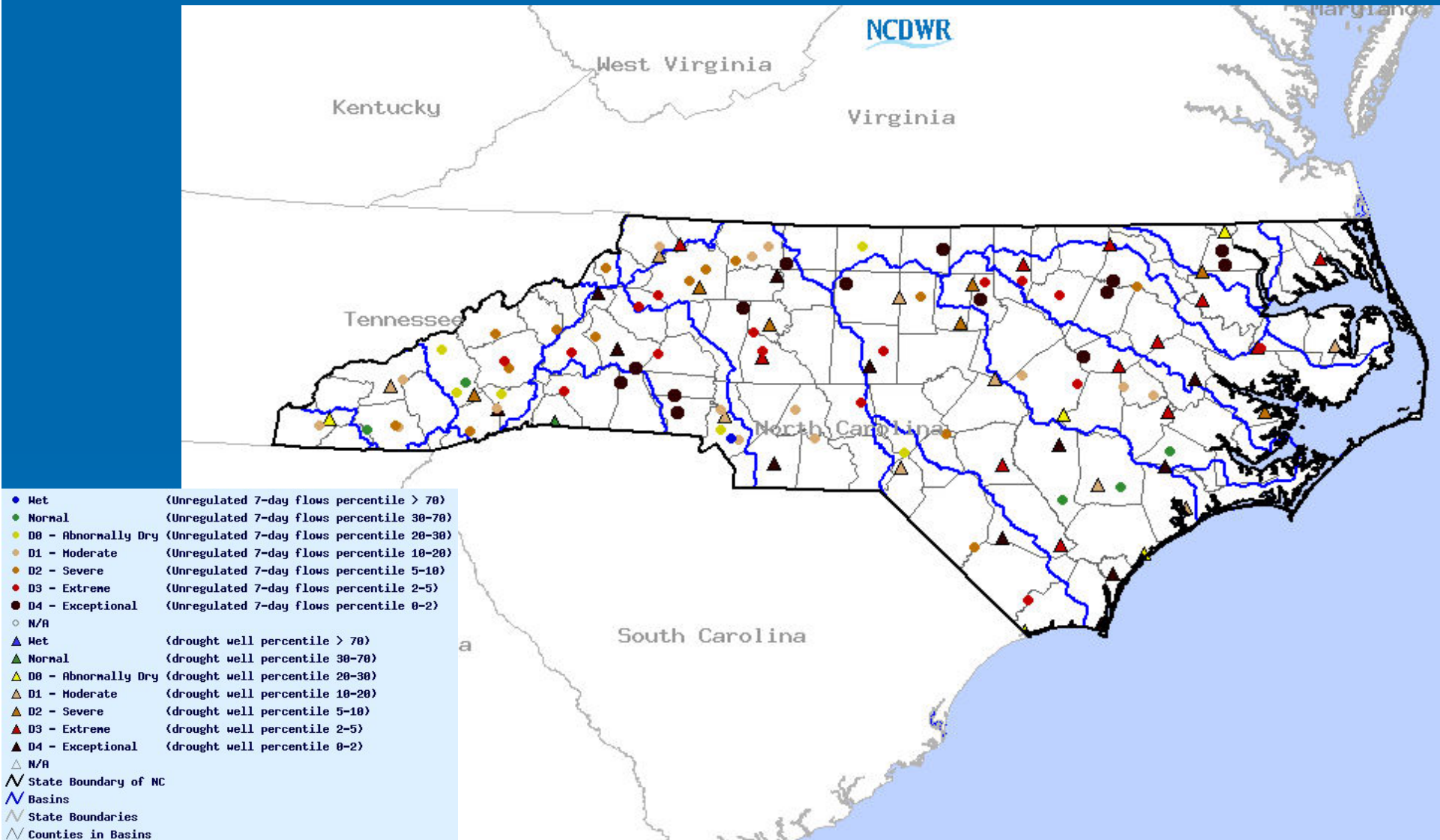
Jan 13, 2008 through Feb 11, 2008

	Total Rainfall	Departure from Normal	Pct of Normal	Rank	Driest on Record
North Carolina Statewide	2.58"	-1.59	62%	17th driest	0.88" (1931)

365-Day Precip for North Carolina Feb 12, 2007 through Feb 11, 2008

	Total Rainfall	Departure from Normal	Pct of Normal	Rank	Driest on Record
North Carolina Statewide	34.15"	-16.25	68%	1st driest	38.31" (88-89)

Current Conditions Ground Water Levels & Streamflows

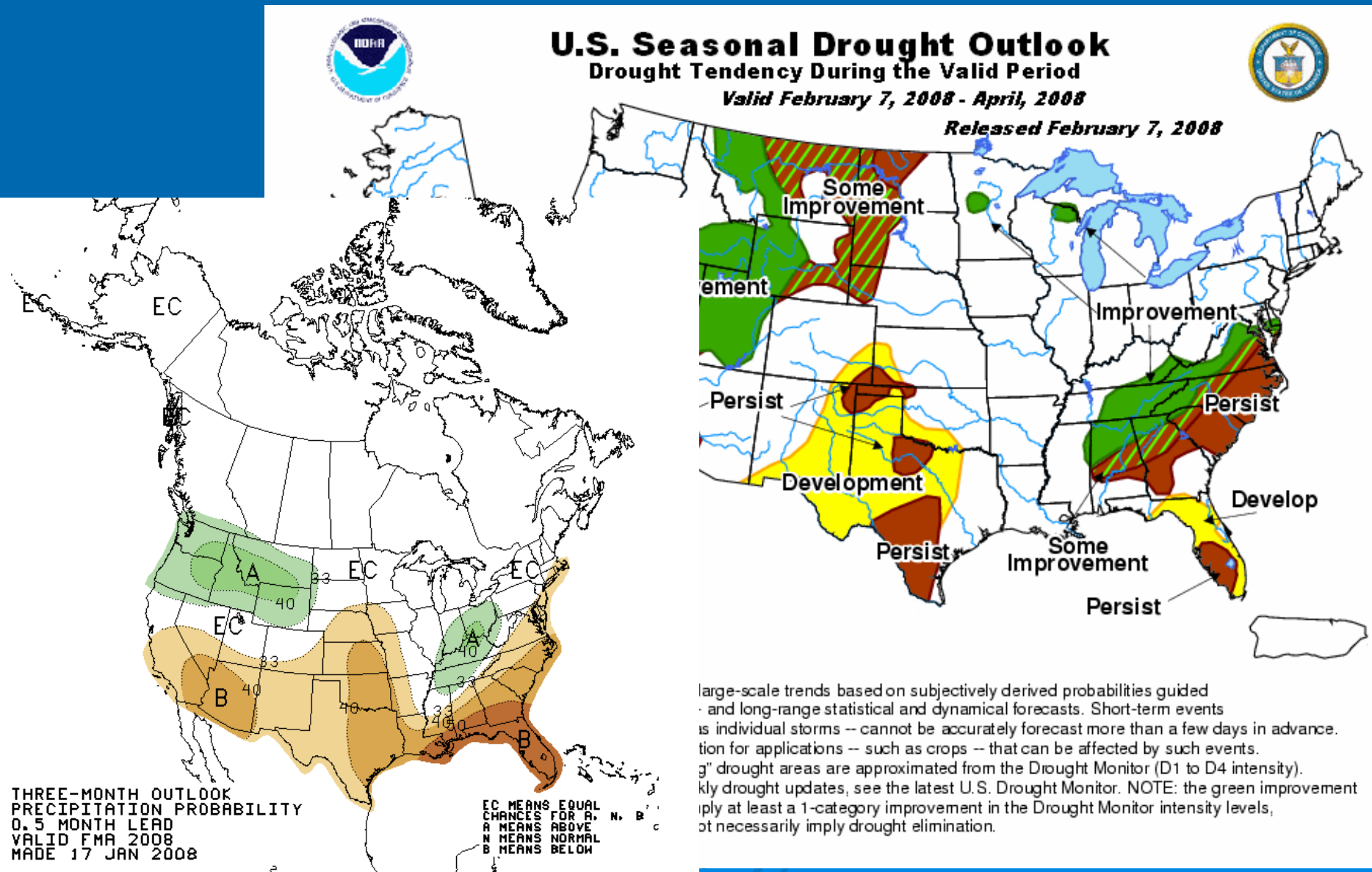


Current Conditions Public Water Supply Systems

Water Conservation level summary data

Status	Systems		Population	
	Number	Percent	Number	Percent
Not Restricted	291	46.34	1,329,479	19.61
Voluntary Conservation	165	26.27	1,693,442	24.97
Mandatory Conservation	172	27.39	3,758,251	55.42
Emergency	0	0.00	0	0.00
Total	628		6,781,172	

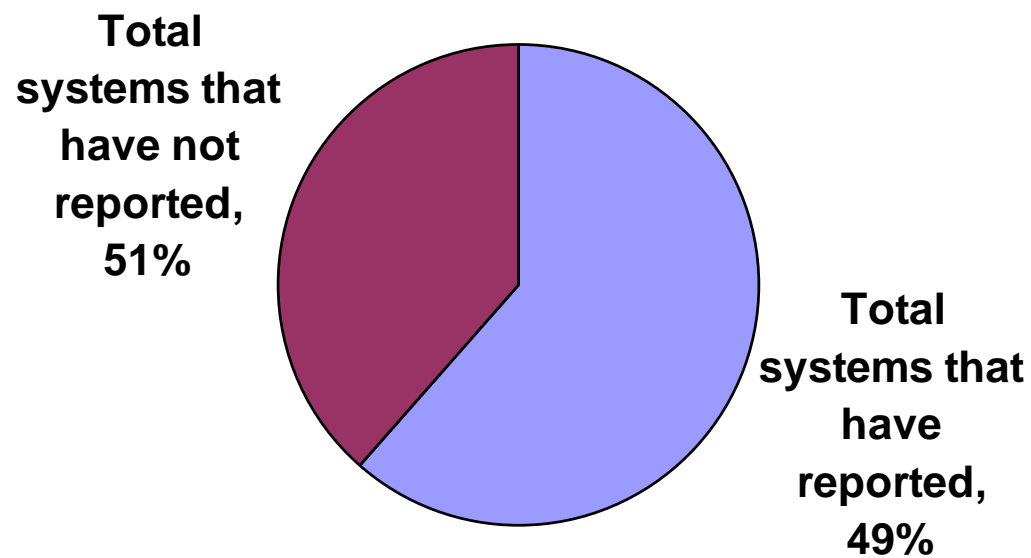
Forecast



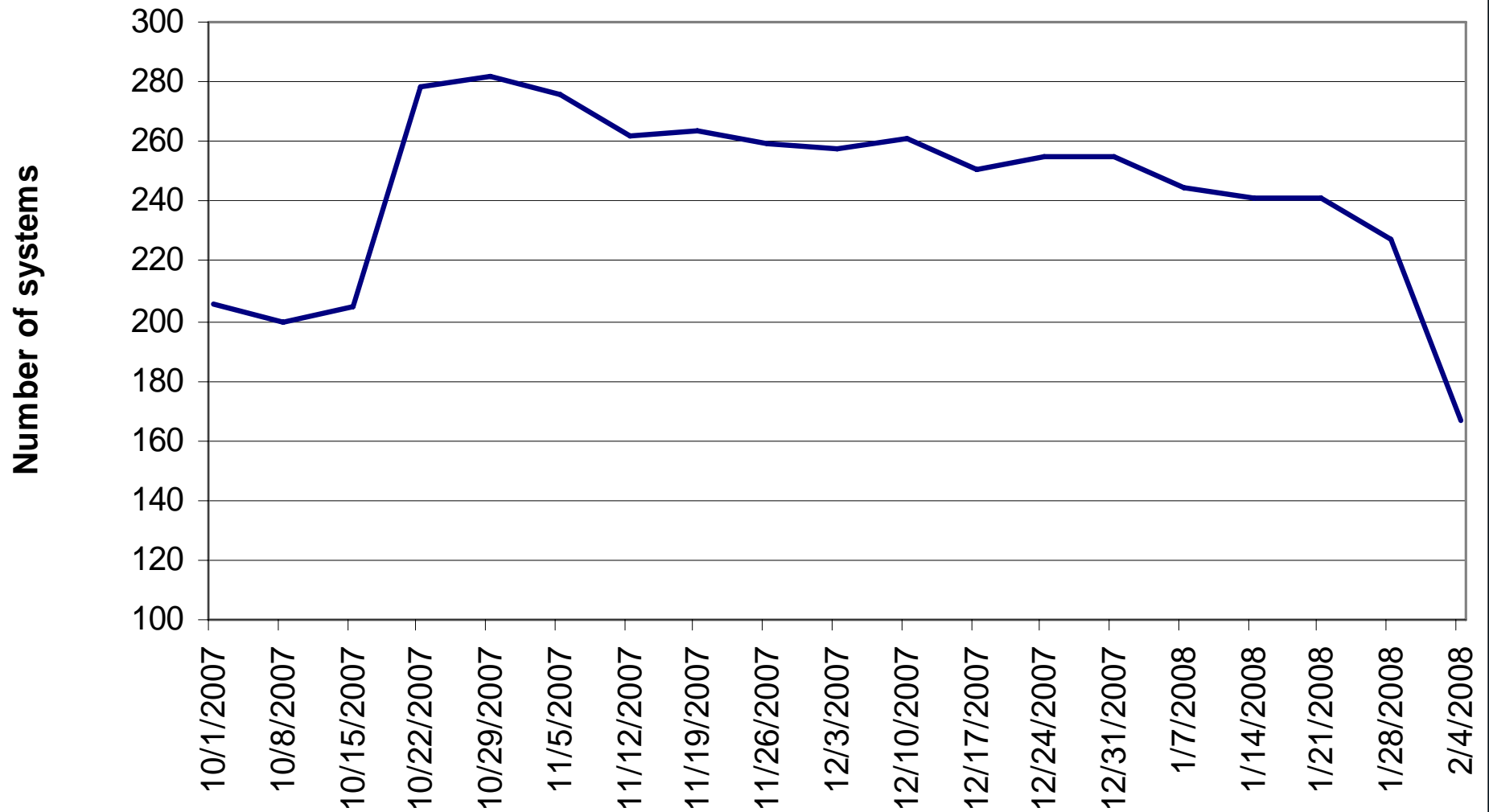
Water-Use Data



**Reporting and Non-Reporting Systems
For Water Systems serving 1,000 or more people.
Total of 490 Water Systems.**



Total number of systems that have been reporting their water use since October 2007



Non Reporting Systems (Pop > 3,000)

Alexander County WDs	Dan River Water Inc.	<i>Landis</i>	Red Springs
Anson County	Davie County	Lee County WSD I	Robeson County
Asheboro	Eastern Band of Cherokee Indians	Leesville Master	Rocky Point-Topsail WSD
Bayleaf/Stonebridge	Edgecombe County WSD 1	Long View	Rowan County
Beaufort County RWS	Elon College	Lumberton	S Camden WSD
Beaufort County WD VII	Energy United WC\Alexander Co WC	Maiden	Selma
Bell Arthur WC	<i>Erwin</i>	Marshville	Southern Wayne SD
Benson	Farmville	Maxton	Stanley
Black Mountain	<i>Fort Bragg</i>	Mocksville	Stanly County-West Stanly
Bladen County WD - W Bladen	Four Oaks	Mount Olive	Statesville
Bogue Banks WC	Franklin County WSA	Murfreesboro	Tabor City
Boiling Spring Lakes	Fuquay-Varina	N Lenoir WC	The Cape Subdivision
Broadway WA	Gates County	NORTH BRUNSWICK SD	Troy
Brookwood Comm	Harrisburg	North Wilkesboro	Wadesboro
Cabarrus Woods/Cambridge	Havelock	Northampton-Lake Gaston	<i>Wake Forest</i>
Campbell University	Hertford County	Norwood	<i>Warren County</i>
Carolina Beach	Highlands	<i>Oxford</i>	Washington County
Carollina Shores Subdivision	Hillsborough	Pamlico County	Wayne WD
Cherry Point MCAS	Holden Beach	Pasquotank County	<i>Wendell</i>
Cherryville	Jamestown	Perquimans County	West Carteret WC
<i>China Grove</i>	Junaluska SD	Pfeiffer-North Stanly WA	Whispering Pines Development
Cliffdale West	<i>Knightdale</i>	Pittsboro	Woodfin WSD
Cramerton	La Grange	Plymouth	<i>Zebulon</i>
Creedmoor	Lake Royale Subdivision	Raeford	
Dallas	Lamp Lighter South Danby	Randleman	

Public Water Supply Systems

Percent Difference in Monthly Water Use Compared to the Previous Month

Facility	Feb/2008	Jan/2008	Dec/2007	Nov/2007
Charlotte-Mecklenburg	-1.0%	-0.3%	-5.1%	-4.7%
Raleigh	-1.3%	3.7%	-4.0%	-15.1%
Durham	8.6%	-2.0%	-9.4%	-15.1%
Winston-Salem	-2.2%	1.4%	-5.9%	-11.7%
Greensboro		-2.1%	-4.4%	-7.7%
Fayetteville	-1.6%	1.6%	-6.0%	-11.8%
Onslow County		1.7%	-2.9%	-6.3%
Davidson Water	-0.1%	-0.6%	-5.5%	-13.8%
Wilmington	-0.1%	1.9%	-7.8%	-21.9%
Cary	-3.0%	-3.6%	-2.3%	-22.8%
Asheville	-2.0%	1.3%	-2.6%	-5.7%

Public Water Supply Systems – Top Reductions

Percent Difference in Monthly Water Use Compared to the Previous Month

Facility	Feb/2008	Jan/2008	Dec/2007	Nov/2007
Appalachian State University		-19.8%	-48.4%	-24.3%
Dare County Rodanthe-Waves-Salvo	-21.1%	-8.9%	-33.0%	-36.1%
BALD HEAD ISLAND UTILITIES	-42.8%	0.2%	-22.0%	-12.8%
SAMPSON CO WTR DIST I-ROSEBORO	5.6%	-7.9%	6.8%	-83.7%
Surf City		-3.7%	-27.7%	-23.0%
Dare County Cape Hatteras	-0.7%	-9.6%	-25.4%	-22.1%
Wrightsville Beach	-2.2%	-15.2%	-21.6%	-24.8%
Holly Springs			-2.2%	-30.7%
Kure Beach	-4.6%	-9.3%	-23.6%	-27.4%
Tyrrell County	-49.4%	10.9%	3.6%	-28.8%
Dare County Regional	-3.1%	-10.4%	-13.0%	-20.5%

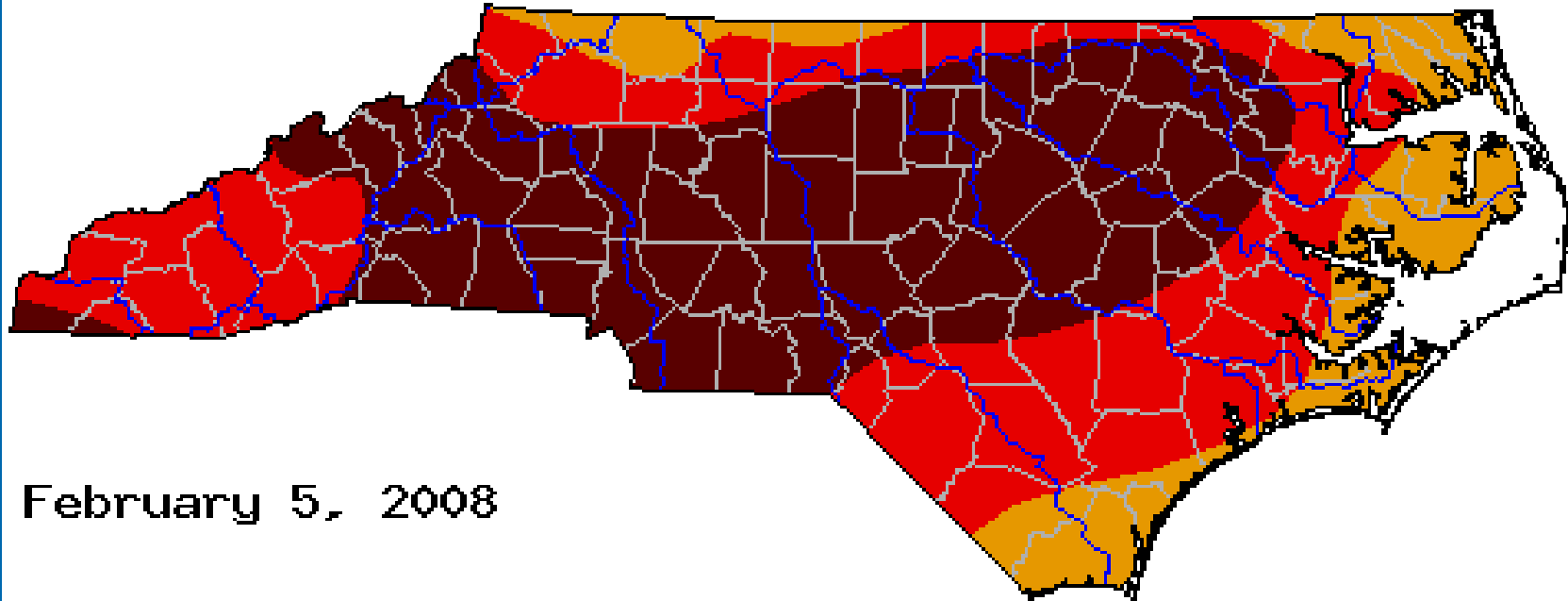
Public Water Supply Systems – Smaller Reductions

Percent Difference in Monthly Water Use Compared to the Previous Month

Facility	Feb/2008	Jan/2008	Dec/2007	Nov/2007
Blowing Rock	-22.9%	15.8%	13.9%	68.4%
Franklinton	-6.5%	25.0%	12.2%	9.9%
Camp Lejeune - New River MCAS	16.9%	23.7%	-7.3%	-8.6%
Mulberry-Fairplains WA	1.4%	6.3%	23.5%	-8.3%
Mars Hill	14.6%	17.9%	-0.9%	-8.9%
Shallotte	-1.9%	57.1%	-19.3%	-15.5%
Chatham County N	36.3%	-2.3%	0.2%	-21.7%
South Mills		1.0%	9.2%	-1.5%
Camp Lejeune - Court House Bay	-5.1%	15.1%	2.4%	-2.5%
Waynesville	5.2%	5.4%	0.6%	-2.3%

The current water supply status is as important as the water supply status the State may be in late summer and fall. Statewide as the water systems move into the spring and summer *all systems need* to hold their water *usage* to the current winter levels. Traditionally, the reservoirs, lakes, and streams get recharged in the winter. Without the reservoirs, lakes and streams recharging and spilling over, conservation efforts that are in place **NOW must continue throughout the remaining winter months into the spring, summer to have emergency water in the dry months of next fall.**

Questions



February 5, 2008

- NC Drought Management Advisory Council -
<http://www.ncdrought.org/>
- Water Sources Task Force -
http://www.ncwater.org/Drought_Monitoring/wstaskforce.php
- Weekly Water -
http://www.ncwater.org/Drought_Monitoring/reduction/weeklyreport.php