WINTER/SPRING FLOOD POTENTIAL OUTLOOK
NATIONAL WEATHER SERVICE GREENVILLE-SPARTANBURG SC
Issued Friday, January 05, 2018

...The first Winter/Spring Flood Potential Outlook for 2018 has analyzed mainstem river flood potential as BELOW NORMAL for the Piedmont and SLIGHTLY BELOW NORMAL to NEAR NORMAL for the Foothills and mountains of the western Carolinas and northeast Georgia...

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ABOUT THIS PRODUCT...
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Every two weeks from January through mid-March, NWS Greenville-Spartanburg (GSP) issues a Flood Potential Outlook for the entire service area (see county-to-region legend at the end of this outlook for a list of counties serviced by NWS GSP). These outlooks forecast the potential for runoff, small stream, and mainstem river flooding through late April, or the end of the winter recharge season. The outlook is prepared based on an assessment of several hydrometeorological factors, including recent and forecasted precipitation and observed soil moisture, groundwater levels, streamflows, reservoir levels, and recent flooding events.

This product is also located at:

http://weather.gov/gsp/floodoutlook

For additional hydrological and meteorological information please visit:

http://weather.gov/gsp/hydro

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HISTORICALLY...
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The mainstem river flood season typically begins in late December. The quantity, frequency, magnitude, and significance of river flood events often increases through late winter with a peak in early to mid-March. While the mainstem river flood season typically ends by late April for the region, small stream flash flooding can occur year-round. The mainstem flood season began prematurely in October across the western North Carolina mountains; however, November and December were abnormally dry and streamflows have decreased considerably as a result. Therefore, it will take more frequent and more significant precipitation over the next two months to increase the chance of mainstem flood occurrence across the region.

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14-DAY OBSERVED PRECIPITATION and FLOODING...
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REGION	OBSERVED PRECIP (in)	% OF NORMAL	MAINSTEM FLOODING	SMALL STREAM FLOODING
NC Piedmont	0.00-0.25	0- 15	None	None
NC Foothills	0.01-0.50	1- 25	None	None
NC Nrn Mnts	0.25-0.50	15- 40	NA	None
NC Cntl Mnts	0.25-1.25	10- 50	None	None
NC Srn Mnts	0.10-1.00	10- 25	None	None
SC Mnts	0.25-1.00	10- 30	NA	None
SC Foothills	0.01-0.75	1- 25	None	None
SC Piedmont	0.00-0.50	15- 75	None	None
GA NE Mnts/ Foothills	0.25-0.75	10- 25	None	None
GA Piedmont	0.10-0.50	10- 25	None	None

SNOW DEPTH and FORECAST...

REGION	SNOW DEPTH (in)	SNOW WATER EQUIVALENT (in)	7-DAY SNOWFALL FORECAST (in)
NC Piedmont	None	None	None
NC Foothills	None	None	None
NC Nrn Mnts	0-1	0-0.05	0-0.5
NC Cntl Mnts	None	None	0-0.5
NC Srn Mnts	None	None	0-0.5
SC Mnts	None	None	None
SC Foothills	None	None	None
SC Piedmont	None	None	None
GA NE Mnts/ Foothills	None	None	None
GA Piedmont	None	None	None

1-10 DAY FUTURE PRECIPITATION FORECAST and FLOOD POTENTIAL...

REGION	10-DAY PRECIP (1/5-15) (in)	% OF NORMAL (1/5-15)	MAINSTEM FLOOD PTNTL (1/5-15)	SMALL STREAM FLOOD PTNTL (1/5-15)

NC Piedmont	0.75-1.25	40- 90	Zero	Zero
NC Foothills	1.25-2.25	55-130	Zero	Slight
NC Nrn Mnts	1.00-1.50	45-120	NA	Zero
NC Cntl Mnts	1.00-1.75	30-140	Near Zero	Near Zero
NC Srn Mnts	1.50-2.50	45-145	Slight	Slight
SC Mnts	1.25-2.00	40-100	NA	Near Zero
SC Foothills	1.00-1.50	40- 90	Zero	Zero
SC Piedmont	0.75-1.50	35- 90	Zero	Zero
GA NE Mnts/ Foothills	1.00-2.00	35-100	Zero	Zero
GA Piedmont	0.50-1.25	20- 70	Zero	Zero

DEFINITIONS:

Flood Potential Categories:
- Zero = No flood potential
- Near Zero = Very low flood potential
- Slight = Isolated Minor Flooding Possible
- Moderate = Scattered Minor Flooding Possible
- Likely = Sct-Widespread Minor Flooding Likely Iso Moderate Flooding Psble
- Significant = Scattered Mod/Iso Major Flooding Likely

8-90 DAY PRECIPITATION OUTLOOKS...

REGION	8-14 DAY PRECIP OUTLOOK	15-30 DAY PRECIP OUTLOOK	FEB-MAR 2018 PRECIP OUTLOOK
NC Piedmont	Below Normal	Near Normal	Slghtly Blw Nrml
NC Foothills	Slghtly Blw Nrml	Near Normal	Near Normal
NC Nrn Mnts	Slghtly Blw Nrml	Slghtly Abv Nrml	Near Normal
NC Cntl Mnts	Slghtly Blw Nrml	Slghtly Abv Nrml	Near Normal
NC Srn Mnts	Slghtly Blw Nrml	Slghtly Abv Nrml	Near Normal
SC Mnts	Slghtly Blw Nrml	Near Normal	Near Normal
SC Foothills	Slghtly Blw Nrml	Near Normal	Near Normal
SC Piedmont	Below Normal	Near Normal	Slghtly Blw Nrml
GA NE Mnts/ Foothills	Slghtly Blw Nrml	Near Normal	Near Normal
GA Piedmont	Below Normal	Near Normal	Slghtly Blw Nrml

HYDROLOGIC SUMMARY...

..IMPORTANT NOTES...

It is very important to note that flash flooding and flooding of smaller tributaries is still very possible during periods of dry weather and/or drought. Several important and damaging flash floods were observed during previous drought periods. Residents are strongly encouraged to heed related flood advisories and warnings, even during significant drought.

The winter and early spring months are a critical time for the water system as widespread winter precipitation normally restores streamflows and reservoir levels following the spotty, convective nature of precipitation during the summer and the drier weeks of early fall. This recharge of the water system is critical for adequate water supply heading into the late spring and summer of 2017. When the winter begins in a significant drought, it takes a greater amount of precipitation to adequately complete this recharge.

..SOIL and CROP MOISTURE...

--- SOIL/CROP MOISTURE ESTIMATES ---

REGION	12/31 TOTAL^ COLUMN SOIL MOISTURE ANOMALY (mm)	1/4 SOIL MOISTURE %ile~ (%)	CHANGE FROM Oct 31 (mm)	12/30 SHORT-TERM CROP MOISTURE INDEX*
NC Piedmont	- 50 to -125	5-20	-40 to -70	-1 - +1, Near Nrml
NC Foothills	+ 25 to - 25	20-30	-20 to -40	-1 - +1, Near Nrml
NC Nrn Mnts	+ 50 to 0	Nrml	Little Chg	-1 - +1, Near Nrml
NC Cntl Mnts	+ 50 to 0	Nrml	Little Chg	-1 - +1, Near Nrml
NC Srn Mnts	0 to - 25	Nrml	Little Chg	-1 - +1, Near Nrml
SC Mnts/ Foothills	- 25 to - 50	Nrml	Little Chg	-1 - +1, Near Nrml
SC Piedmont	- 25 to -100	10-30	-20 to -70	-1 - +1, Near Nrml
GA NE Mnts/ Foothills	0 to - 50	Nrml	Little Chg	-1 - +1, Near Nrml
GA Piedmont	0 to - 50	Nrml	-20 to -40	-1 - +1, Near Nrml

DEFINITIONS:

EVAPOTRANSPIRATION = The loss of moisture from the soil to the atmosphere plus the loss of moisture from the soil to vegetation.

INTERPRETATION = Note that above-normal temperatures and below-normal precipitation exacerbate the loss of soil moisture through evapotranspiration, while

below-normal temperatures and above-normal precipitation mitigates soil-moisture deficits. However, heading into fall and winter, cooler temperatures and less-active or dormant vegetation reduce demands on the water system and while still important, the effects of above-normal temperatures and below-normal precipitation are lessened.

*CROP MOISTURE INDEX = Depicts short-term (< 1 month) dryness or wetness impacting agriculture. Negative values indicate dryness, while positive values indicate wetness. The index is not a depicter of medium-range (i.e., 1-6 months) to long-range (i.e., >6 months) wetness or drought.

^TOTAL COLUMN = Defined as a 2-meter depth (6.56ft) and derived from the North American Land Data Assimilation System (NLDAS) which is a joint modeling effort between the National Centers for Environmental Prediction and the National Aeronautics and Space Administration.

~PERCENTILES = Derived from CPC's one-layer soil-moisture model which has a maximum soil column depth of 1.6m or 5.25 ft.

..GROUNDWATER*...

GROUNDWATER WELL MEASUREMENTS

Depth Below Ground Surface in Feet

COUNTY	LOCATION	DEPTH* 1/4 (ft)	JAN** MEDIAN (ft)	CHANGE*** SINCE 12/22 (ft)	RECORD LOWEST LEVEL (ft)	and DATE
Burke	Glen Alpine	11.57	11.16	NA	13.84,	09/04/11
Caldwell	Granite Falls	20.28	21.03	NA	26.15,	03/09/17
Catawba	Oxford Resrch St	41.17	39.40	NA	42.09,	01/14/13
Gaston	Pasour Mtn	45.12	38.60	NA	45.18,	01/04/18
McDowell	Pleasant Gardens	29.21	28.46	NA	31.89,	11/29/10
Union (NC)	Mineral Springs	39.35	39.11	NA	42.70,	01/10/13
York	York Co Airport	28.10	25.99	NA	29.69,	12/13/12

COUNTY	LOCATION	DEPTH* 1/4 (ft)	CHANGE*** SINCE 1/4 (ft)	%ile **** (1/4)	RECORD LOWEST LEVEL (ft)	and DATE
Anderson	Williamston	3.55	NA	10-25	5.98,	06/25/02

Cherokee	Marble	6.17	NA	<10th	15.16, 11/28/16
Chester	Leeds Road	89.00	NA	25-50	94.52, 01/12/14
Davie	Mocksville	19.38	NA	10-25	23.32, 08/24/02
Haywood	near Cruso	5.48	NA	25-50	6.96, 09/12/02
Iredell	Langtree	27.93	NA	< 1st	33.03, 11/02/17
Oconee	Oconee Statn Rd	30.15	NA	25th	32.08, 12/31/08
Rowan	Barber	7.36	NA	25-50	11.15, 09/14/02
Spartanburg	Croft State Park	47.41	NA	25-50	51.69, 03/17/13
Transylvania	Blantyre	30.81	NA	50-75	42.19, 12/12/08
Transylvania	Pisgah Forest	14.91	NA	25-50	17.86, 08/25/08
White	Unicoi State Pk	5.30	NA	< 1st	6.49, 09/28/98

DEFINITIONS:

* DEPTH = Note that groundwater is measured as depth below the surface, unlike streamflow and reservoir data which is the reverse or height above the surface. Therefore, the higher the depth value, the less the groundwater supply because the groundwater level is further from the surface.

**MEDIAN = Current depth values that are larger than the monthly median can be loosely correlated to drier-than-normal conditions while current depth values that are smaller than the monthly median can be loosely correlated to wetter-than-normal conditions.

***CHANGE = A POSITIVE CHANGE means the groundwater depth has increased or is further from the surface. Therefore, a NEGATIVE CHANGE means the groundwater depth has decreased or is closer to the surface. In periods of drought, negative changes are ideal. However, positive changes are NORMAL during the late summer and early fall, as rainfall is typically isolated to scattered and less significant, causing losses to surface and subsurface water sources due to increased evapotranspiration, evaporation, and increased consumption, while negative changes are NORMAL during the late fall and winter, as widespread significant precipitation recharges surface and subsurface water sources and environmental demands are lower.

Note, however, that for many groundwater sites, the depth of the wells are very deep and there is a lag between significant rainfall and deep infiltration into subsurface water supplies. If the rainfall is not significant or occurring over a sustained period of time, the water may never reach the groundwater wells. Additionally, if the rainfall is significant but occurring quickly and only once during a period of several weeks, a shallower groundwater well may spike and then return to near pre-rainfall levels.

****PERCENTILE = The percentile (%ile) values can be interpreted as follows:

Less than 10th percentile - Well-Below Normal

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10th-25th percentile         - Below Normal
25th-50th percentile         - Slightly Below Normal/Near Normal
50th-75th percentile         - Slightly Above Normal/Near Normal
75th-90th percentile         - Above Normal
Greater than 90th percentile - Well-Above Normal

The percentile values are computed monthly. Therefore, percentiles
referenced in the chart above are for the month of January.
Groundwater well statistics change throughout the water year such
that the median monthly depth typically reaches a minimum in autumn
and a peak in late spring.  This can result in a dramatic change
in the percentile of an observed depth from one month to the next,
even if the observed depth does not change significantly.
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..STREAMFLOW*...

------- 28-DAY AVERAGE USGS STREAMFLOW PERCENTILES BY REGION --------

REGION	% OF NORMAL (1/4)	%ILE (1/4)	CLASSIFICATION (1/4)
NC Piedmont	17- 66	7-30	Below Normal
NC Foothills	40- 79	7-37	Below Normal
NC Nrn Mnts	46- 72	13-31	Below Normal
NC Cntl Mnts	49- 85	10-52	Slightly-Below Normal
NC Srn Mnts	32- 75	8-37	Below Normal
SC Mnts/ Foothills	29- 58	7-25	Below Normal
SC Piedmont	3- 66	9-32	Below Normal
GA NE Mnts/ Foothills	40- 66	12-29	Below Normal
GA Piedmont	38- 41	9-18	Below Normal

----- 28-DAY AVERAGE USGS STREAMFLOW PERCENTILES BY RIVER SYSTEM ----

RIVER BASIN	% OF NORMAL (1/4)	%ILE (1/4)	CLASSIFICATION (1/4)
Broad (GA)	38- 41	9-16	Below Normal
Broad (NC/SC)/Pacolet	25- 77	7-37	Below Normal
Catawba	3- 79	4-37	Near Normal (Upper)/ Well-Below Normal (Lower)
Enoree/Tyger	37- 66	10-32	Slightly Below Normal

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French Broad           53-115 | 18-66 | Near Normal
Nantahala/Tuckasegee/ 32- 74 |  8-29 | Below Normal
Little Tennessee

Pigeon                 49- 85 | 10-46 | Slightly Below Normal
Rocky/Yadkin           17- 66 |  6-40 | Below Normal
Reedy/Saluda           29- 58 |  9-34 | Below Normal
Tallulah/Chattooga     40- 66 | 12-29 | Slightly Below Normal
Toxaway/Keowee/        22- 49 | 10-20 | Below Normal
Savannah
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DEFINITIONS...

*RESERVOIR = Please note that streamflows along regulated rivers
 INFLUENCE (i.e., rivers with reservoirs) may be influenced
            positively and/or negatively by the control of releases
            from those reservoirs. For a list of mainstem rivers
            and their regulation influence, please see the bottom
            of this product.

..RESERVOIRS...

---------- POOL ELEVATIONS and DROUGHT STAGES ----------

RESERVOIR	NWS ID	AVG* ELEV 1/4 (ft)	AVG ELEV 12/22 (ft)	TARGET ELEV 1/4 (ft)	1/4 ELEV-TARGET (ft)	1/4 MIN ELEV* (ft)	DGT STGE
BROAD SYSTEM							
Summit	(None)	97.3	NA	97.5	-0.20	85.0	NA
Gaston Shoals	(BLAS1)	98.86	NA	NA	NA	98.0	NA
Ninety-Nine Isl	(NNIS1)	99.30	99.10	NA	NA	98.0	NA
CATAWBA SYSTEM (As of 1/2, Total Reservoir Storage 112% of Target)							
James	(BRWN7)	96.32	96.88	95.7	+0.62	92.9	0
Rhodhiss	(RHON7)	96.36	96.45	97.0	-0.64	94.0	0
Hickory	(OXFN7)	97.03	98.33	96.0	+1.03	94.0	0
Lookout Shoals	(LKSN7)	96.15	96.46	97.0	-0.85	94.0	0
Norman	(CWAN7)	96.60	96.35	95.7	+0.90	92.7	0
Mountain Island	(MOUN7)	97.15	96.92	96.0	+1.15	94.3	0
Wylie	(FOMS1)	97.55	97.50	97.0	+0.55	94.0	0
Fishing Creek	(FCDS1)	98.02	98.42	98.0	+0.02	95.0	0
Great Falls	(GTFS1)	97.85	98.27	97.5	+0.35	95.0	0
Cedar Creek	(CDCS1)	97.66	98.22	97.5	+0.16	96.0	0
NANTAHALA/LITTLE TENNESSEE/TUCKASEGEE SYSTEM							
Tanasee Creek	(EFKN7)	85.37	86.01	85.0	+0.37	83.0	ND

Bear Creek	(BCDN7)	95.13	94.78	93.0	+2.13	91.0	ND
Cedar Cliff	(ICCN7)	98.20	97.50	98.0	+0.20	96.0	0
Glenville	(THPN7)	87.36	86.72	90.0	-2.64	85.0	ND
Wolf Creek	(WCDN7)	84.85	85.50	85.0	-0.15	83.0	ND
Nantahala	(NANN7)	77.29	77.26	78.7	-1.41	73.4	ND
Queens Creek	(QCDN7)	89.27	90.13	86.8	+2.47	85.8	ND
Fontana	(FONN7)	1651.29	1652.45	1653.0	-1.71	1648.5	NA

SAVANNAH SYSTEM (As of 1/2, Total Reservoir Storage 74% of Target)

Jocassee	(JCSS1)	91.52	91.95	NA	NA	77.0	2
Keowee	(KEOS1)	98.25	97.80	NA	NA	94.6	2
Hartwell	(HRTG1)	650.90	651.60	656.16	-4.56	625.0	2
Russell	(RBDS1)	472.68	473.33	475.0	-2.32	470.0	2

PROJECTIONS...

LAKE HARTWELL...assuming net inflows increase to 50% of normal then hold steady over the next two months, the pool elevation is projected to increase 1-3 feet through mid-March, but there will only be a slight decrease in the storage deficit as the guide curve increases at a similar rate in order to build storage for summer.

FONTANA LAKE... projected to remain near the flood guide curve through the winter if near-normal rainfall occurs.

DEFINITIONS...

*AVG ELEV = Reporting the daily average elevation factors in the fluctuations in pool elevation due to scheduled discharges and/or power generation.

MINIMUM ELEVATION = The minimal elevation is the lowest elevation that the pool can be while meeting local community and river system needs. Drought release reduction plans may begin above the minimal elevation. For Lake Hartwell and Richard B. Russell Lake, the minimal elevation marks the bottom of conservation storage or the top of the inactive pool. Drought release reduction plans begin at or above the minimal elevation, at 656.0 feet at Lake Hartwell and at 470.0 feet for Richard B. Russell Lake.

ND = No Drought
NA = Not Applicable

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LONG-TERM FLOOD OUTLOOK...
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Therefore, given current antecedent conditions and long-range precipitation guidance, the long-term flood outlook through the end of April 2017 is as follows...

REGION	RUNOFF POTENTIAL	SMALL STREAMS FLOOD POTENTIAL	MAINSTEM RIVERS FLOOD POTENTIAL
NC Piedmont	Slight Blw Nrml	Below Normal	Well-Below Normal
NC Foothills	Near Normal	Slight Blw Nrml	Slightly-Below Nrml
NC Nrn Mnts	Near Normal	Slight Blw Nrml	NO MAINSTEMS
NC Cntl Mnts	Near Normal	Near Normal	Slightly-Below Nrml
NC Srn Mnts	Near Normal	Near Normal	Near Normal
SC Mnts	Near Normal	Slight Blw Nrml	NO MAINSTEMS
SC Foothills	Near Normal	Slight Blw Nrml	Slightly-Below Nrml
SC Piedmont	Slight Blw Nrml	Below Normal	Below Normal
GA NE Mnts/ Foothills	Near Normal	Near Normal	Slightly-Below Nrml
GA Piedmont	Slight Blw Nrml	Below Normal	Below Normal

ACKNOWLEDGMENTS...

The precipitation analysis is derived from quality-controlled gridded precipitation estimates produced at the Lower Mississippi River Forecast Center (LMRFC) and the Southeast River Forecast Center (SERFC).

The 1-10 day future precipitation is derived from guidance produced by NWS Greenville-Spartanburg.

The long-term precipitation outlooks are derived from guidance produced at the Climate Prediction Center (CPC).

Streamflow information is courtesy of the United States Geological Survey (USGS).

Reservoir information is courtesy of Duke Energy...Georgia Power... and the US Army Corps of Engineers (USACE).

The general outlook is produced in collaboration with the LMRFC and the SERFC.

NEXT ISSUANCE DATE...

The second flood outlook will be issued by
Friday, January 19th, 2018.

ADDITIONAL RESOURCES...

For the latest LEVELS of streams and mainstem rivers across the region please visit and bookmark:

http://water.weather.gov/ahps2/area.php?wfo=gsp&hydro_type=0&hsa_type=1

For the latest status of DROUGHT conditions across the region please visit and bookmark:

http://droughtmonitor.unl.edu

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COUNTY TO REGION LEGEND...
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..GEORGIA...

COUNTY	REGION
Elbert	GA Piedmont
Franklin	GA Piedmont
Habersham	GA NE Mountains/Foothills
Hart	GA Piedmont
Rabun	GA NE Mountains/Foothills
Stephens	GA NE Mountains/Foothills

..NORTH CAROLINA...

COUNTY	REGION (SUBREGION)
Alexander	NC Foothills (Northern)
Avery	NC Northern Mountains
Buncombe	NC Central Mountains
Burke	NC Foothills (Northern)
Cabarrus	NC Piedmont (Southern)
Caldwell	NC Foothills (Northern)
Catawba	NC Foothills (Northern)
Cleveland	NC Piedmont (Southern)
Davie	NC Piedmont (Northwest)
Gaston	NC Piedmont (Southern)
Graham	NC Central Mountains
Haywood	NC Central Mountains
Henderson	NC Southern Mountains
Iredell	NC Piedmont (Northwest)
Jackson North	NC Central Mountains
Jackson South	NC Southern Mountains
Lincoln	NC Piedmont (Southern)
Macon	NC Southern Mountains
Madison	NC Central Mountains
McDowell	NC Foothills (Northern)
Mecklenburg	NC Piedmont (Southern)
Mitchell	NC Northern Mountains
Polk	NC Foothills (Southern)

Rowan	NC Piedmont (Northwest)
Rutherford	NC Foothills (Southern)
Swain	NC Central Mountains
Transylvania	NC Southern Mountains
Union	NC Piedmont (Southern)
Yancey	NC Northern Mountains

..SOUTH CAROLINA...

COUNTY	REGION (SUBREGION)
Abbeville	SC Piedmont (Lower)
Anderson	SC Piedmont (Northern)
Cherokee	SC Piedmont (Northern)
Chester	SC Piedmont (Eastern)
Greenville	SC Mountains/Foothills
Greenwood	SC Piedmont (Lower)
Laurens	SC Piedmont (Lower)
Oconee	SC Mountains/Foothills
Pickens	SC Mountains/Foothills
Spartanburg	SC Mountains/Foothills
Union	SC Piedmont (Eastern)
York	SC Piedmont (Eastern)

MAINSTEM RIVER LEGEND...

REGION	RIVER	
NC Piedmont	Catawba	(Heavily Regulated)
	South Fork Catawba	(Slightly Regulated)
	Rocky	
	Yadkin	(Regulated)
NC Foothills	Broad	(Regulated)
	Catawba	(Regulated)
NC Nrn Mnts	NONE	
NC Cntl Mnts	French Broad	(Slightly Regulated)
	Little Tennessee	(Heavily Regulated)
	Nantahala	(Heavily Regulated)
	Oconaluftee	(Slightly Regulated)
	Pigeon	
	Tuckasegee	(Heavily Regulated)
NC Srn Mnts	French Broad	(Slightly Regulated)
	Little Tennessee	(Heavily Regulated)
	Nantahala	(Regulated)
	Tuckasegee	(Regulated)
SC Mnts	NO MAINSTEM RIVERS	
SC Foothills	Chatooga	
	Enoree	
	Pacolet	(Slightly Regulated)
	Reedy	(Slightly Regulated)
	Saluda	(Regulated)
	Savannah	(Heavily Regulated)
	Toxaway/Seneca	(Heavily Regulated)

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              Tyger
SC Piedmont   Broad               (Regulated)
              Pacolet             (Slightly Regulated)
              Reedy               (Slightly Regulated)
              Saluda              (Regulated)
              Savannah            (Heavily Regulated)
              Tyger
GA NE Mnts/   Chatooga
   Foothills  Tallulah/Tugaloo    (Heavily Regulated)
GA Piedmont   Broad
              Savannah            (Heavily Regulated)

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QUESTIONS or COMMENTS...
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This product has undergone several revisions and enhancements over
the past couple of years.  Additional enhancements are planned for
future flood outlooks. Your feedback and recommendations
are encouraged in order to ensure this product meets user needs.
Please direct feedback, recommendations, questions, and comments to:

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