

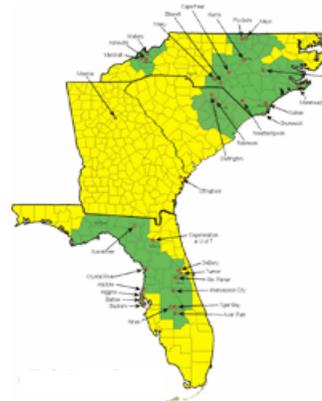
Balancing Act Along the Pee Dee River

FERC Drought Workshop



Background

- 17 plants in Carolinas
- 38 plants in Southeast
 - ◆ Nuclear
 - ◆ Coal- and oil-fired
 - ◆ Natural gas-fueled
 - ◆ Hydroelectric
- Fuel mix important



Hydroelectric plants

- 4 N.C. hydro plants
 - ◆ Pee Dee River
 - ◆ Blewett
 - ◆ Tillery
 - ◆ Western N.C.
 - ◆ Walters
 - ◆ Marshall

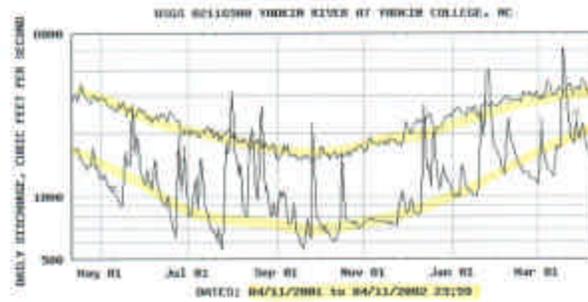




Actual Discharge vs. 72-year Norm

DISCHARGE, CUBIC FEET PER SECOND

Most recent value: 04-10-2002



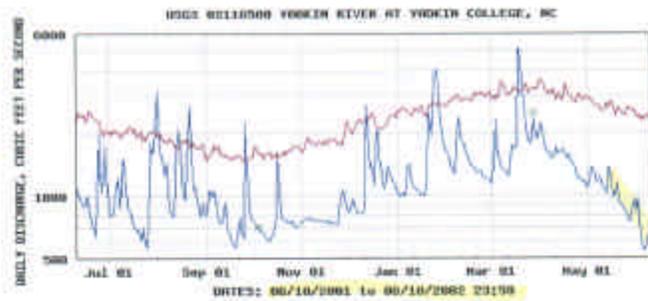
EXPLANATION
 — DAILY MEAN DISCHARGE
 — REGION DAILY STREAMFLOW BASED ON 72 YEARS OF RECORD
 — MEASURED DISCHARGE



Actual Discharge vs. 72-year Norm

DISCHARGE, CUBIC FEET PER SECOND

Most recent value: 06-09-2002



EXPLANATION
 — DAILY MEAN DISCHARGE
 — REGION DAILY STREAMFLOW BASED ON 72 YEARS OF RECORD
 — MEASURED DISCHARGE

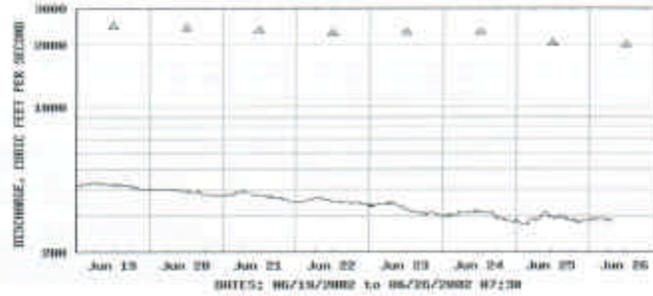


Low Flow Example

DISCHARGE, CUBIC FEET PER SECOND

Most recent value: 282 06-26-2002 07:30

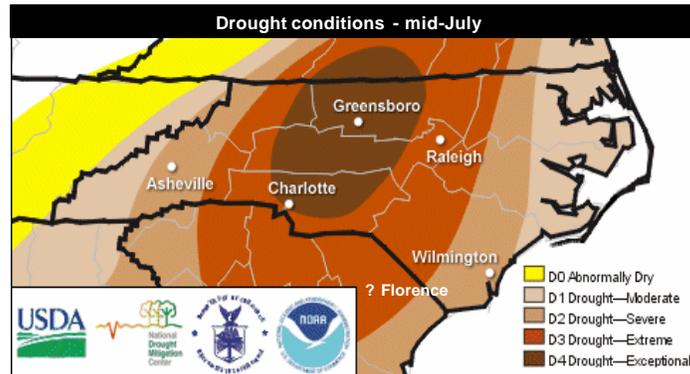
USGS 0116500 YORCKIN RIVER AT YORCKIN COLLEGE, NC



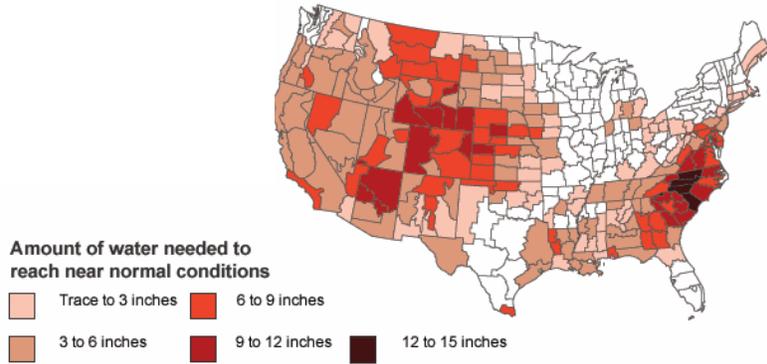
EXPLANATION
 — DISCHARGE
 △ MEAN DAILY STREAMFLOW BASED ON 75 YEARS OF RECORD



Drought: Background



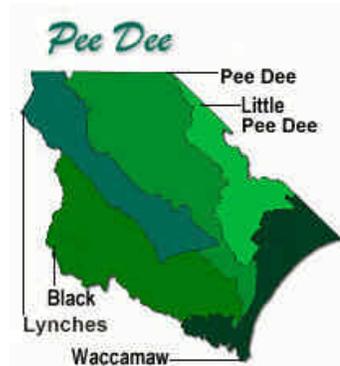
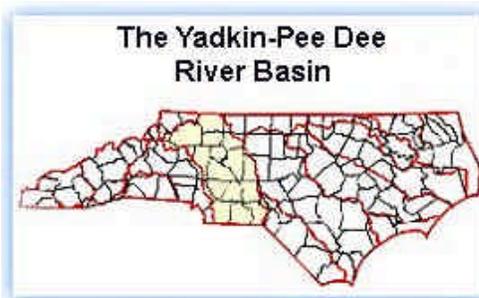
Drought: Background



SOURCE: AP/CNN



Yadkin-Pee Dee



CP&L's operations

- Generation at CP&L Blewett and Tillery plants reduced by 70% during June-July 2002
- Generation reduced by 80% during August-September (900 cfs - per Protocol)
- Generation reduced by 30% during October



Tillery Plant



Questions?

