

# **THE ROANOKE RIVER BASIN WATER RESOURCES PLAN**

## **PROJECT ORGANIZATION**

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# **THE ROANOKE RIVER BASIN WATER RESOURCES PLANNING PROCESS**

## **I. Plan Content**

(Slides 3 - 8)

## **II. Tentative Plan Schedule**

(Slides 9 - 10)

## **III. Stakeholder Process**

(Slides 11 -13)



# **ROANOKE RIVER BASIN WATER RESOURCES PLAN - TABLE OF CONTENT**

The Roanoke Water Resources Basin Plan will have seven chapters.\*

## **Introductory**

**Chapter 1 - Executive Summary**

**Chapter 2 – Introduction**

\*The Roanoke Plan will follow the format of The Neuse River Basin Water Resources Plan. See - [http://www.ncwater.org/Reports\\_and\\_Publications/Basin\\_Plans/neuse.php](http://www.ncwater.org/Reports_and_Publications/Basin_Plans/neuse.php)





# ROANOKE RIVER BASIN WATER RESOURCES PLAN - TABLE OF CONTENT

- Chapter 3.** Roanoke River Basin Description
  - 3.1. General Topography and Hydrology
  - 3.2. Major Flow Modifications
  - 3.3. Hydrology
  - 3.4. Roanoke River Basin Counties and Municipalities
  - 3.5. Water Resource Services





# **ROANOKE RIVER BASIN WATER RESOURCES** **PLAN - TABLE OF CONTENT**

## **Chapter 4. Conditions and Management Needs**

4.1. Near-Term Projected Conditions and Management Needs

4.2. Long-Term Projected Conditions and Management Needs

4.3. Climate Variability Scenario





# ROANOKE RIVER BASIN WATER RESOURCES PLAN - TABLE OF CONTENT

## **Chapter 5. River Basin Hydrologic Model**

5.1. Roanoke River Basin Model Details

5.2. Model Scenarios Evaluated

5.3. Model Validation

5.4. Changes in Water Availability and  
Reliability



# ROANOKE RIVER BASIN WATER RESOURCES PLAN - TABLE OF CONTENT

- Chapter 6.** Hydrologic Unit Summaries
- 6.1. Middle Roanoke, HU 03010102
  - 6.2. Upper Dan, HU 03010103
  - 6.3. Lower Dan, HU 03010104
  - 6.4. Roanoke Rapids, HU 03010106
  - 6.5. Lower Roanoke, HU 03010107

Note – Subchapters for each hydrologic unit will discuss factors such as water use, water supply, relevant hydrologic modeling, and unique factors such as water transfers, future shortages, and data management needs.



# ROANOKE RIVER BASIN WATER RESOURCES PLAN - TABLE OF CONTENT

## **Chapter 7. Other Water Resource Management Activities**

7.1. Water Resources Development Projects

7.2. Aquatic Weed Control

7.3 Drought Response Plan & Implementation

(Appendix)



# ROANOKE RIVER BASIN WATER RESOURCES PLAN

## Schedule

### To date

- Preliminary descriptive work ongoing
- Stakeholder identification and organization continuing

### Next Phase

#### Step 1

- Complete descriptive material
- Update model and validate work (pending funds availability)



# ROANOKE RIVER BASIN WATER RESOURCES PLAN

## Schedule (continued)

### Step 2

- Continue scenario evaluation
- Describe scenario results

### Step 3

- First draft of the plan is scheduled for internal review six months after completion of model updates
- One or more subsequent public comment periods

### Step 4

- Final document prepared within two months of closure of public comment period



# THE ROANOKE RIVER BASIN PLAN

## STAKEHOLDER PARTICIPATION

- The goal is to maximize the opportunity for and benefit from stakeholder participation, including the continued cooperation with the Commonwealth of Virginia.
- Opportunities for stakeholder participation are both formal and informal, passive and active.
- The level of organization, interest, and expertise within the Roanoke River Basin is extraordinarily high.



# STAKEHOLDER PARTICIPATION

- Continuous opportunity
  - Review the information and updates at the homepage and Roanoke pages at any time (See final slide).
  - Contact staff as desired.
- Stakeholder meetings
  - Stakeholder meetings such as this one will be scheduled at strategic points in the plan development process.
  - These meetings allow the stakeholders to maintain involvement, to secure updates, and to provide the staff with critical comments and relevant information.



# STAKEHOLDER PARTICIPATION

- Technical and Other Special Committees
  - A technical review committee will be established for particular work with the hydrologic model. (The modeler's presentation has specific detail.)
  - Other special purpose committees might be established during the plan development process and after plan completion.
- Formal Public Review and Comment
  - One or more periods for public review and comment will precede release of the final plan.



# THANK YOU FOR YOUR PARTICIPATION.

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Homepage – <http://www.ncwater.org/>

Roanoke page -

<http://www.ncwater.org/basins/Roanoke>





E-mail list serve Subscriptions:

**Stakeholders -**

<http://lists.ncmail.net/mailman/listinfo/dwr-roanoke>

Everyone should subscribe to this list.

**Roanoke OASIS Model Users -**

<http://lists.ncmail.net/mailman/listinfo/dwr-roanoke-model>

For Stakeholders interested to have **OASIS**  
**model accounts**