

**Information Item: 14-06 Hydrologic River Basin Models**

**Explanation:**

The Division of Water Resources, in accordance with Session Law 2010-143 (G.S. §143.355(o)), develops hydrologic models for water resources planning. The models are subject to approval by the Environmental Management Commission. Staff will present the basics of OASIS, a model used in several river basins in North Carolina, including the Broad River basin. The Broad River basin model was approved by the EMC in November 2012. OASIS models for the Roanoke, Tar, Cape Fear, and Neuse River basins have also been developed. This presentation will cover model development, certification, and uses, including ecological flows.