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From: Franklin T. McBride [mailto:mcbrideft@earthlink.net]

Sent: Friday, December 14, 2001 10:08 AM

To: sharon.f.haggett@saw02.usace.army.mil

Cc: 'Kornegay, James W.'; Fred Harris

Subject: Concerns that NC Wildlife Resources Commission would like to see addressed by the John H. Kerr 216 Study

Ms. Haggett:

Below is a list of concerns that the NC Wildlife Resources Commission would like to see addressed by the John H. Kerr Scott 216 Study. Please advise if you would like a hard copy of this memorandum on WRC letterhead.

Concerns:

- \* Causes and remediation of low dissolved oxygen in Lake Gaston as a result of low dissolved oxygen in John H. Kerr Reservoir.
- \* The effects of hydropower peaking operations on fish, wildlife, and their habitats in John H. Kerr Reservoir, Lake Gaston, Roanoke Rapids Lake, and the lower Roanoke River.
- \* Effects of flood control and hydropower operations on bank stability in the reservoirs and Roanoke River
- \* Contribution of regulated flows to incidences of low dissolved oxygen in the lower Roanoke River.
- \* The effects of prolonged inundation of wetlands adjacent Roanoke River on fish, wildlife, and their habitats due to flood control operations at John H. Kerr Reservoir.
- \* The effects of aseasonal flooding of wetlands adjacent Roanoke River on fish, wildlife, and their habitats due to flood control operations at John H. Kerr Reservoir.
- \* The priority given to flow management for anadromous fish spawning versus hydropower needs and flood control operations.
- \* Development of a drought management plan that provides for the protection of water quality, fish, wildlife, and their habitats.

\* Development of a year-round discharge hydrograph that would mimic pre-impoundment discharges.

\* Development of fish passage methodologies that would allow target anadromous fish species access to waters upstream of John H. Kerr Reservoir.

\* Assessment of the impacts of existing interbasin water transfers from the Roanoke River basin as well as an assessment of potential future transfers (impacts to fish, wildlife, habitats).

Thank you for the opportunity to comment on the design of the 216 Study.

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