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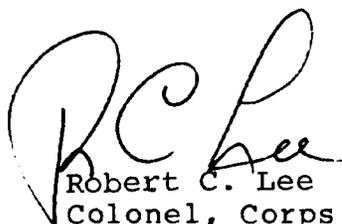
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Engineer Manual
No. 1110-2-1201

Engineering and Design
RESERVOIR WATER QUALITY ANALYSIS

1. Purpose. This manual provides guidance for the assessment of reservoir water quality conditions, including reservoir pool, releases and tailwaters.
2. Applicability. This manual applies to all HQUSACE/OCE elements and field operating activities (FOA) having responsibility for water quality/quantity control. It provides a framework to guide Corps of Engineers scientists and engineers in assessing water quality conditions associated with reservoirs.
3. Discussion. Early reservoir water quality assessment activities were based on techniques and processes commonly accepted in standard limnology and sanitary engineering. However, approaches to assessing and solving reservoir water quality problems were often found to be insufficient due to processes and water control operations inherent to reservoirs. Some of these problems interfere with project purposes and/or result directly from water control (reservoir regulation) practices. Many of these problems were addressed by the Environmental and Water Quality Operational Studies (EWQOS) research program, and new technologies pertinent to reservoir water quality have been developed. Much of the material in this manual is a product of this program and of field experience from Corps district and division offices.

FOR THE COMMANDER:



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