

April 17, 2007

Potomac Partners:

We have completed the Edition 1.0 of our Potomac Treatise. The full title is: *The Potomac River Basin and its Estuary: Landscape Loadings and Water Quality Trends, 1895-2005*. We are pleased to send you a CD for your information and welcome your comments. Please send any comments to the following email address: <[norb.j@att.net](mailto:norb.j@att.net)>.

The principal goal of our treatise is to provide a broad, 110-year perspective of the water quality of the Potomac River Basin and its Estuary through a historical analysis of landscape loadings and resulting water quality trends from 1895 to 2005. The specific objectives of our treatise are to:

1. Describe how the landscape loadings, which are the major sources of nutrients, and major ions to the Potomac River Basin and its Estuary, have changed from 1900 to 2005.
2. Compare these loadings and resulting export fluxes of the Upper Basin and its eight major sub-basins to other watersheds of the Middle Atlantic, Northeast USA, and sub-basins of the Mississippi River Basin from 1990 to 1994.
3. Describe how the water quality of the Potomac River, a major drinking water source, and its sub-basins have changed over the past 110 years.
4. Describe the current and historical water quality and nutrient loading trends to the Potomac Estuary from 1912 to 2005.
5. Quantify how humans have used the basin's land and water resources and how these activities have impacted the loadings and resulting water quality conditions of the Potomac River and its Estuary.
6. Examine various nutrient management strategies for improving dissolved oxygen in the Lower Estuary.

While the major focus is on nutrients, our examination also includes major ions and chemicals.

We hope that you find the 227 pages and over 250 charts and tables of our Potomac Treatise interesting and informative—including the **Epilogue**, which begins to identify some of the important **scientific uncertainties**.

Please let us know your thoughts. Additional CDs are can be obtained free by sending a stamped, self-addressed CD mailer to Norb Jaworski, 2004 S Magnolia Ave, Sanford, FL 32771.

Sincerely,

Norb Jaworski  
Bill Romano  
Claire Buchanan  
Carole Jaworski

