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Michael Pantelides, Mayor
160 Duke of Gloucester Street
Annapolis, MD 21401-2517
410-263-7997

May 15, 2015

To: Alderpersons, City of Annapolis

From: Mayor Michael Pantelides

Re: Annapolis Environmental Commission

Pending your approval, I would like to reappoint Theodore C. Weber to the Annapolis Environmental Commission. Mr. Weber is a resident of Ward 8 and has been serving on the Environmental Commission since 2009.

Mr. Theodore C. Weber
410 Severn Avenue Suite 204
Annapolis, MD 21403
410-268-7621 tweber@conservationfund.org

A copy of his resume is attached.

Thank You.

Michael Pantelides

MJP/mc

Reviewed by: <u>Environmental Matters Committee</u>	
<input type="checkbox"/> Favorable	<input type="checkbox"/> Unfavorable
_____	_____
Committee Chair	Date

THEODORE C. WEBER

410 Severn Ave., Suite 204
Annapolis, MD 21403

tweber@conservationfund.org
www.conservationfund.org

EXPERIENCE SUMMARY

- Current position oversees all of the science issues associated with strategic conservation projects at The Conservation Fund. Specific tasks include defining the use of conservation planning and science tools, managing subcontractors, coordinating technical teams, developing assessment protocols, designing habitat models and green infrastructure networks, and reviewing pertinent literature. Authors planning documents, reports, and journal articles on conservation science and strategic conservation planning, and presents work at professional conferences.
- Project manager for landscape, watershed, and field-based ecological assessments throughout the U.S.A., developing tools and data to identify and prioritize areas for conservation and restoration.
- Over ten years experience in performing research and developing GIS applications to assess landscapes for their ecological value and function using principles of landscape ecology, conservation biology, ecological modeling, restoration ecology, and wildlife biology.
- Over ten years experience using ArcGIS, ARC/INFO, ArcView GIS, MaxEnt, and other software for spatial modeling, conservation and restoration planning, landscape and wildlife habitat analyses, and other purposes. Also over ten years experience conducting statistical analyses with SAS, R, NCSS, and other software packages.
- Over ten years experience conducting forest, wetland, stream, and wildlife field assessments, including designing surveys, logistical preparation, supervising field crews, performing a wide variety of field measurements, and analyzing results.
- Performed ecosystem valuation of Cecil County, Maryland, and the Houston-Galveston area.
- Worked with the University of Maryland to develop a prototype ecosystem investment corporation which would pay forest stewards to provide ecosystem services to the general public.
- Experience performing systems analyses and energy accounting.
- Over ten years experience documenting and preparing reports, presentations, posters, web products, etc.
- Over ten years experience supervising employees, interns, and volunteers.
- Certified by the State of Maryland as a Qualified Professional to complete Forest Stand Delineations and Forest Conservation Plans.
- Certified by Maryland Biological Stream Survey (MBSS) for stream biological, chemical, and physical sampling.
- Experience measuring water quality metrics such as dissolved oxygen, nitrate, pH, turbidity, algae, etc.
- Experience identifying native and non-native flora and fauna throughout the eastern U.S.A. and other areas.
- Experience conducting aerial surveys by helicopter and fixed-wing aircraft.
- Experience assessing properties for conservation values and restoration needs.
- Experience monitoring conservation easements using MET and LTA protocols.
- Helped teach classes and workshops.
- Performed environmental education and outreach at festivals, fairs, boat shows, etc.
- Lectured on applications of landscape and wildlife ecology to conservation practitioners in Brazil, Argentina, South Africa, Botswana, and throughout the U.S.A.
- Helped the Associação Mico Leão Dourado (Golden Lion Tamarin Association) plan reforestation in the state of Rio de Janeiro, Brazil, by analyzing habitat quality and connectivity potential.
- Helped Conservation International develop a monitoring framework for the Okavango Delta in Botswana, using aquatic macroinvertebrates as indicators of wetland condition.

Weber, T. C. 2007. Development and application of a statewide conservation network in Delaware, U.S.A. *Journal of Conservation Planning* 3:17-46.

Allen, W., and T. Weber. 2007. Baltimore County land preservation model: water quality assessment. The Conservation Fund, Arlington, VA. 16pp.

The Conservation Fund. 2006. The state of Chesapeake forests. The Conservation Fund, Arlington, VA. 144pp. (Contributing author)

The Conservation Fund. 2006. Kent County, Delaware: rapid assessment of green infrastructure. The Conservation Fund, Arlington, VA. 53pp. (Contributing author)

Weber, T., P. Blank, R. Aviram, J. Lister, and A. Sloan. 2006. A field validation of Maryland's Green Infrastructure Assessment using breeding birds as bio-indicators in Eastern Shore forests. Maryland Dept. Nat. Res., Annapolis, MD.

Weber, T., J. Wolf, and A. Sloan. 2006. Maryland's green infrastructure assessment: development of a comprehensive approach to land conservation. *Landscape and Urban Planning* 77:94-110.

Weber, T. 2004. Landscape ecological assessment of the Chesapeake Bay watershed. *Environmental Monitoring and Assessment* 94(1):39-53.

Weber, T., J. Wolf, P. Blank, R. Aviram, and J. Lister. 2004. Restoration targeting in Maryland's Green Infrastructure. Maryland Dept. Nat. Res., Annapolis, MD. 63pp. plus appendices.

Weber, T. 2004. Risk of forest loss in Maryland's Green Infrastructure, based on 1997-2000 patterns of development. Maryland Dept. Nat. Res., Annapolis, MD. 12pp.

Weber, T. 2003. Maryland's green infrastructure assessment: a comprehensive strategy for land conservation and restoration. Maryland Dept. Nat. Res., Annapolis, MD. 246pp. plus appendices.

Woolf, A., C. K. Nielsen, T. Weber, and T. J. Gibbs-Kieninger. 2002. Statewide modeling of bobcat, *Lynx rufus*, habitat in Illinois, USA. *Biological Conservation* 104:191-198.

Weber, T., and J. Wolf. 2000. Maryland's green infrastructure: using landscape assessment tools to identify a regional conservation strategy. *Environmental Monitoring and Assessment* 63:265-277.

PROFESSIONAL MEMBERSHIPS

- Society for Conservation Biology
- International Association for Landscape Ecology
- Freshwater Mollusk Conservation Society
- Association of State Floodplain Managers

OTHER

- Member, Annapolis Environmental Commission (Chair 2012-2013)
- Riverwatcher, Bacon Ridge Branch (volunteer position with South River Federation)
- Volunteer easement monitor, Maryland Environmental Trust