

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS**

BOARD APPOINTMENT SUMMARY

Meeting Date: March 11, 2008

Department: Environmental Resources Management

Advisory Board: Groundwater and Natural Resources Protection Board

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: the appointment of one at-large member to the Groundwater and Natural Resources Protection Board (GNRPB) to complete the term of three (3) years beginning on March 11, 2008 through July 30, 2010.

New Appointment

<u>Nominee</u>	<u>Representing</u>	<u>Seat No.</u>	<u>Nominated By</u>
Jason A. Moretz	Biologist/Chemist	4	Treasure Coast Chapter - Florida Association of Environmental Professionals

Summary: Ordinance 92-20 and Article 17.C.7. of the Unified Land Development Code (ULDC) provide for a seven (7) member GNRPB. The membership consists of one (1) professional engineer, one (1) attorney, one (1) hydrologist, one (1) business person, one (1) biologist or chemist, one (1) citizen of PBC, and one (1) member of an environmental organization. Cynthia Barlow vacated Seat No. 4 on December 11, 2007, in accordance with the absenteeism requirements found in Resolution No. R2002-1606. Ordinance 92-20 and Article 17.C.7 of the ULDC require Seat No. 4 to be filled by a Biologist/Chemist. No other nominations were received. Countywide (SF)

Background and Justification: The GNRPB has the powers and duties to hold hearings as necessary to enforce ULDC Article 14, Environmental Standards, and to issue any orders necessary to achieve compliance. Jason A. Moretz as a Biologist/Chemist meets this requirement. The new term will expire July 30, 2010.

Attachments:

1. Article 17.C.7., ULDC
2. Current GNRPB membership and attendance list
3. Board Appointment Information Form
4. Nominee Resume

Recommended by:

Richard E. Wabnitz
Department Director

2/13/08
Date

Legal Sufficiency:

Mark J. F.
Assistant County Attorney

2/18/08
Date

Attachment 1

Section 7 Groundwater and Natural Resources Protection Board

A. Establishment

There is hereby established a Groundwater and Natural Resource Protection Board (GNRPB).

B. Powers and Duties

The GNRPB shall have the following powers and duties:

1. to hold hearings as necessary to enforce Art. 14, Environmental Standards, if there has been a failure to correct a violation within the time specified by the Code Inspector, if the violation has been repeated, or is of such a nature that it cannot be corrected;
2. to adopt rules of procedure for the conduct of hearings;
3. to issue subpoenas compelling the presence of persons at Board hearings. Subpoenas may be served by the PBC Sheriff's Department, or other authorized persons consistent with Florida Law;
4. to issue subpoenas compelling the provision of evidence at GNRPB hearings;
5. to take testimony under oath;
6. to issue orders having the force of law commanding whatever steps are necessary to achieve compliance with the violation of Art. 14, Environmental Standards;
7. to lien property; and
8. to assess administrative fines and costs pursuant to Art. 14, Environmental Standards.

C. Board Membership

1. Qualifications

The GNRPB shall be composed of seven members appointed by the BCC. The membership of the Board shall consist of a professional engineer registered by the State of Florida, an attorney licensed to practice in Florida, a hydrologist, a citizen possessing expertise and experience in managing a business, a biologist or a chemist, concerned citizen and a member of an environmental organization.

2. Terms of Office

All members shall serve a term of three years. All members serving on the GNRPB on the effective date of this Code shall complete their terms according to their prior appointments.

D. Secretary and Staff

The Director of ERM shall serve as Secretary of the GNRPB. ERM shall be the professional staff of the GNRPB.

E. Meetings

1. General

General meetings of the GNRPB shall be held no more frequently than once every month. Special meetings may be called by the Chair of the GNRPB, or in writing by a majority of the members of the Board. Staff shall provide 24-hour written notice to each Board member prior to a special meeting.

I. AUTHORITY: Unified Land Development Code (ULDC), Section 4.13; amended by the Unified Land Development Code (ULDC), Article 17, Section 7, adopted on December 4, 2003.

II. APPOINTING AUTHORITY:
Board of County Commissioners (BCC)

III. COMPOSITION, QUALIFICATIONS, TERMS & REMOVAL:

The Board shall be comprised of seven (7) members appointed by the BCC. Membership shall be as follows: 1) a professional engineer registered by the State of Florida; 2) an attorney licensed to practice in Florida; 3) a hydrologist; 4) a citizen possessing expertise and experience in managing a business; 5) a biologist or chemist; 6) concerned citizen; and 7) a member of an environmental organization.

All members shall serve three (3) year terms. All members serving on the GNRPB on the effective date of this Code shall complete their terms according to their prior appointments.

IV. MEETINGS:

Meetings shall be held no more frequently than once every month. Special meetings may be called by the Chair or in writing by a majority of the members of the Board. Staff shall provide twenty-four (24) hour written notice to each Board member prior to a special meeting.

V. FUNCTIONS:

The GNRPB shall have the following powers and duties:

1. to hold hearings as necessary to enforce Article 14, Environmental Standards, if there has been a failure to correct a violation within the time specified by the Code Inspector, if the violation has been repeated, or is of such a nature that it cannot be corrected; 2) to adopt rules of procedure for the conduct of hearings; 3) to issue subpoenas compelling the provision of evidence at Board hearings. Subpoenas may be served by the PBC Sheriff's Department, or other authorized persons consistent with Florida Law; 4) to issue subpoenas compelling the provision of evidence at GNRPB hearings; 5) to take testimony under oath; 6) to issue orders having the force of law commanding whatever steps are necessary to achieve compliance with the violation of Article 14 of the Environmental Standards; 7) to lien property and 8) to assess administrative fines and costs pursuant to Article 14, Environmental Standards.

VI. LIAISON DEPARTMENT:

Environmental Resources Management

VII. CONTACT PERSON:

Bonnie Finneran
2300 N. Jog Road, 4th Floor
West Palm Beach, FL 33411
(561) 233-2525

Attachment 2

GROUNDWATER & NATURAL RESOURCES PROTECTION

ADVISORY BOARD MEMBERS


SEAT ID	CURRENT MEMBER	RACE CODE	BUSINESS/ HOME PHONE	REQUIREMENT	APPOINT DATE	RE-APPT DATE	EXPIRE DATE
APPOINTED BY: At Large							
1	Robert W. Higgins, P.E. Higgins Engineering, Inc. 4623 Forest Hill Blvd., #114 West Palm Beach, FL 33415	WM	() - (561) 439-7807	Professional Engineer	04/05/2005	04/05/2005	04/04/2008
2	John F. Flanigan, Esquire Moyle, Flanigan, Katz, Fitzgerald & Sheehan, P.A. 625 North Flagler Dr., 9th Fl West Palm Beach, FL 33401	WM	(561) 659-7500 () -	Attorney	08/01/2006	08/01/2006	07/31/2009
3	Leah Schad 3701 No. Flagler Drive West Palm Beach, FL 33407	WF	() (561) 848-9984	Environmentalist Group	04/05/2005	04/05/2005	04/04/2008
4	Vacant , FL	UN	() ()	Chemist	//	//	07/30/2010
5	James L. Anderson 5307 Pennock Point Road Jupiter, FL 33458	WM	(561) 746-0228 () -	Citizen of PBC	10/02/2007	//	02/24/2010
6	Jonathan E. Shaw, P.G. Golder Associates, Inc. 6420 Congress Ave., Ste. 2000 Boca Raton, FL 33487	WM	(561) 994-9910 () -	Hydrogeologist	08/01/2005	08/01/2005	07/31/2008
7	Beth R. Kigel 6379 C - Durham Drive Lake Worth, FL 33467	WF	(561) 726-3208 (561) 966-5907	Business Person	08/01/2005	//	07/31/2008

GROUNDWATER AND NATURAL RESOURCES PROTECTION BOARD - BOARD MEMBER ATTENDANCE INFORMATION

MEMBER NAME	Seat No. 5 FRANK DEERING	Seat No. 2 JOHN FLANIGAN	Seat No. 1 ROBERT HIGGINS	Seat No. 4 JOEL KAPLOVSKY	Seat No. 7 WARREN RESEN	Seat No. 3 LEAH SCHAD	Seat No. 6 JONATHAN SHAW	COUNTY ATTORNEY	SIGNED MINUTES	MEETING TIME	
										Start	End
MEMBER SINCE	02/26/1992	08/23/1988	08/23/1988		09/01/1993	02/02/1990	08/23/1988				
TERM STARTS	08/18/1995	07/31/1997	04/06/1999		09/21/1996		07/31/1990				
TERM EXPIRES	08/17/1998	07/31/2000	04/06/2002		07/31/1999		07/31/1993				
CHAIR/VICE			VICE CHAIR			CHAIR					
01/30/1997	MEETING CANCELED - CASE RESOLVED										
05/29/1997	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	Schad	9:09 AM	10:11 AM
07/31/1997	MEETING CANCELED - CASE RESOLVED										
09/25/1997	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	Lenny Berger		1:32 PM	3:05 PM
11/20/1997	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	Schad	1:35 PM	5:10 PM
12/09/1997	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	Schad	9:03 AM	9:58 AM
MEMBER NAME	Seat No. 5 FRANK DEERING	Seat No. 2 JOHN FLANIGAN	Seat No. 1 ROBERT HIGGINS	Seat No. 4 ALEX MARSH	Seat No. 7 WARREN RESEN	Seat No. 3 LEAH SCHAD	Seat No. 6 JONATHAN SHAW	COUNTY ATTORNEY	SIGNED MINUTES	MEETING TIME	
										Start	End
MEMBER SINCE	02/26/1992	08/23/1988	08/23/1988	08/18/1998	09/01/1993	02/02/1990	08/23/1988				
TERM STARTS	08/18/1998	07/31/1997	04/06/1999	08/18/1998	09/21/1993	04/06/1999	07/31/1990				
TERM EXPIRES	02/25/2001	07/31/2000	04/06/2002	07/30/2001	07/31/1999	04/06/2002	07/31/1999				
CHAIR/VICE			VICE CHAIR			CHAIR					
07/30/1998	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/F	N/F	N/F	N/F
09/24/1998	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	Schad	1:59 PM	3:05 PM
11/17/1998	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/F	N/F	1:35 PM	2:48 PM
CHAIR/VICE			VICE CHAIR			CHAIR					
01/28/1999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
03/25/1999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E				
05/27/1999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
07/29/1999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
09/30/1999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
11/18/1999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
12/09/1999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

MEMBER NAME	Seat No. 5 FRANK DEERING	Seat No. 2 JOHN FLANIGAN	Seat No. 1 ROBERT HIGGINS	Seat No. 4 ALEX MARSH	Seat No. 7 WARREN RESEN	Seat No. 3 LEAH SCHAD	Seat No. 6 JONATHAN SHAW	COUNTY ATTORNEY	SIGNED MINUTES	MEETING TIME	
										START	END
MEMBER SINCE	02/26/1992	08/23/1988	08/23/1988	08/18/1998	09/01/1993	02/02/1990	08/23/1988				
TERM STARTS	08/18/1998	07/31/1997	04/06/1999	08/18/1998	08/01/1999	04/06/1999	08/01/1999				
TERM EXPIRES	02/25/2001	07/31/2000	04/06/2002	07/30/2001	07/31/2002	04/06/2002	07/31/2002				
CHAIR/VICE			VICE CHAIR			CHAIR					
01/27/2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	Dawn Wynn	Schad	1:33 PM	2:55 PM
03/29/2000	MEETING CANCELED - NO QUORUM										
05/25/2000	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	Schad	1:32 PM	3:04 PM
07/27/2000		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	Dawn Wynn	Schad	1:35 PM	3:35 PM
09/28/2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	Schad	1:40 PM	3:25 PM
11/30/2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	Higgins	1:35 PM	
MEMBER NAME	Seat No. 5 FRANK DEERING	Seat No. 2 JOHN FLANIGAN	Seat No. 1 ROBERT HIGGINS	Seat No. 4 ALEX MARSH	Seat No. 7 WARREN RESEN	Seat No. 3 LEAH SCHAD	Seat No. 6 JONATHAN SHAW	COUNTY ATTORNEY	SIGNED MINUTES	MEETING TIME	
										START	END
MEMBER SINCE	02/26/1992	08/23/1988	08/23/1988	08/18/1998	09/01/1993	02/02/1990	08/23/1988				
TERM STARTS	08/18/1998	08/01/2000	04/06/1999	08/18/1998	08/01/1999	04/06/1999	08/01/1999				
TERM EXPIRES	02/25/2001	07/31/2003	04/06/2002	07/30/2001	07/31/2002	04/06/2002	07/31/2002				
CHAIR/VICE			CHAIR		VICE CHAIR						
01/25/2001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	Dawn Wynn	Schad	1:34 PM	3:45 PM
03/29/2001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Dawn Wynn	Higgins	1:33 PM	3:47 PM
05/31/2001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	N/A	1:37 PM	3:30 PM
07/26/2001	MEETING DATE CHANGED TO 08/09/2001										
08/09/2001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Dawn Wynn	N/A	1:35 PM	3:02 PM
10/04/2001	MEETING CANCELED - NO QUORUM										
11/29/2001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	Dawn Wynn Amy Petrick	Higgins	1:36 PM	3:10 PM
CHAIR/VICE			CHAIR		VICE CHAIR						
01/31/2002	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Amy Petrick	Higgins	1:37 PM	2:56 PM
04/04/2002	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E RESIGNED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Amy Petrick	Higgins	1:35 PM	3:14 PM
09/26/2002	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	VACANT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Nancy Dolan Amy Petrick	Higgins	1:33 PM	3:54 PM

MEMBER NAME	Seat No. 5 FRANK DEERING	Seat No. 2 JOHN FLANIGAN	Seat No. 1 ROBERT HIGGINS	Seat No. 4 ALEX MARSH	Seat No. 7 GENE SCHRINER	Seat No. 3 LEAH SCHAD	Seat No. 6 JONATHAN SHAW	COUNTY ATTORNEY	SIGNED MINUTES	MEETING TIME	
										START	END
MEMBER SINCE	02/26/1992	08/23/1988	08/23/1988	08/18/1998	08/01/2002	02/02/1990	08/23/1988				
TERM STARTS	04/06/2002	08/01/2000	04/06/1999	07/31/2001	08/01/2002	04/06/2002	08/01/2002				
TERM EXPIRES	04/05/2005	07/31/2003	04/06/2002	07/30/2004	07/31/2005	04/05/2005	07/31/2005				
CHAIR/VICE			CHAIR				VICE CHAIR				
05/30/2002	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	Amy Petrick	Higgins	1:35 PM	4:14 PM
07/18/2002	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	Amy Petrick	Higgins	1:35 PM	3:14 PM
11/21/2002	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Nancy Dolan	Higgins	1:36 PM	3:54 PM
CHAIR/VICE						CHAIR	VICE CHAIR				
01/30/2003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Nancy Dolan Anne Helfant	Higgins	1:32 PM	4:41 PM
03/27/2003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Nancy Dolan Anne Helfant	Schad	1:40 PM	3:30 PM
05/29/2003	MEETING CANCELED - NO QUORUM										
07/31/2003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	Dawn Wynn	Schad	1:31 PM	3:46 PM
09/25/2003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	Schad	1:38 PM	4:08 PM
11/20/2003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	Schad	1:31 PM	2:46 PM
MEMBER NAME	Seat No. 5 FRANK DEERING	Seat No. 2 JOHN FLANIGAN	Seat No. 1 ROBERT HIGGINS	Seat No. 4 ALEX MARSH	Seat No. 7 GENE SCHRINER	Seat No. 3 LEAH SCHAD	Seat No. 6 JONATHAN SHAW	COUNTY ATTORNEY	SIGNED MINUTES	MEETING TIME	
										START	END
MEMBER SINCE	02/26/1992	08/23/1988	08/23/1988	08/18/1998	08/01/2002	02/02/1990	08/23/1988				
TERM STARTS	02/25/2004	08/01/2003	04/06/1999	07/31/2001	08/01/2002	04/06/2002	08/01/1999				
TERM EXPIRES	02/25/2007	07/31/2006	04/06/2002	07/30/2004	07/31/2005	04/05/2005	07/31/2002				
CHAIR/VICE						CHAIR	VICE CHAIR				
01/22/2004	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Nancy Dolan Anne Helfant	Schad	1:30 PM	3:39 PM
03/25/2004	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	Gentry Benjamin	Shaw	1:30 PM	3:12 PM
05/20/2004	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	Schad	1:35 PM	N/F
07/22/2004		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Anne Helfant	Schad	1:34 PM	4:40 PM
09/30/2004	MEETING CANCELED - HURRICANE JEANNE										
10/07/2004	MEETING CANCELED - HURRICANE JEANNE/FRANCIS DAMAGE										
11/18/2004	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	Anne Helfant	Schad	1:32 PM	4:18 PM

MEMBER NAME	Seat No. 5 FRANK DEERING	Seat No. 2 JOHN FLANIGAN	Seat No. 1 ROBERT HIGGINS	Seat No. 4 TED SENTGEORGE	Seat No. 7 GENE SCHRINER	Seat No. 3 LEAH SCHAD	Seat No. 6 JONATHAN SHAW	COUNTY ATTORNEY	SIGNED MINUTES	MEETING TIME	
										START	END
MEMBER SINCE	02/26/1992	08/23/1988	08/23/1988	07/31/2004	08/01/2002	02/02/1990	08/23/1988				
TERM STARTS	02/25/2004	08/01/2003	04/06/1999	07/31/2004	08/01/2002	04/05/2005	08/01/1999				
TERM EXPIRES	02/25/2007	07/31/2006	04/06/2002	07/30/2007	07/31/2005	04/04/2008	07/31/2002				
CHAIR/VICE				VICE CHAIR			CHAIR				
02/03/2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	Schad	1:30 PM	3:47 PM
03/24/2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	Shaw	1:34 PM	2:27 PM
04/07/2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	Shaw	1:32 PM	3:00 PM
05/26/2005	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	Dawn Wynn	Sentgeorge	1:34 PM	3:00 PM
08/04/2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E RESIGNED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shannon Fox Anne Helfant Dawn Wynn	Shaw	1:35 PM	4:05 PM
MEMBER NAME	Seat No. 5 FRANK DEERING	Seat No. 2 JOHN FLANIGAN	Seat No. 1 ROBERT HIGGINS	Seat No. 4 TED SENTGEORGE	Seat No. 7 BETH TUSA	Seat No. 3 LEAH SCHAD	Seat No. 6 JONATHAN SHAW	COUNTY ATTORNEY	SIGNED MINUTES	MEETING TIME	
										START	END
MEMBER SINCE	02/26/1992	08/23/1988	08/23/1988	07/31/2004	09/27/2005	02/02/1990	08/23/1988				
TERM STARTS	02/25/2004	08/01/2003	04/06/1999	07/31/2004	09/27/2005	04/05/2005	08/01/1999				
TERM EXPIRES	02/25/2007	07/31/2006	04/06/2002	07/30/2007	09/26/2008	04/04/2008	07/31/2002				
CHAIR/VICE				VICE CHAIR			CHAIR				
09/29/2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> RESIGNED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shannon Fox Dawn Wynn	Shaw	1:35 PM	4:05 PM
11/17/2005	MEETING CANCELLED DUE TO HURRICANE WILMA (POWER OUTAGES)										
MEMBER NAME	Seat No. 4 CYNTHIA BARLOW	Seat No. 5 FRANK DEERING	Seat No. 2 JOHN FLANIGAN	Seat No. 1 ROBERT HIGGINS	Seat No. 3 LEAH SCHAD	Seat No. 6 JON SHAW	Seat No. 7 BETH TUSA	COUNTY ATTORNEY	SIGNED MINUTES	MEETING TIME	
										START	END
MEMBER SINCE	12/06/2005	02/26/1992	08/23/1988	08/23/1988	02/02/1990	08/23/1988	09/27/2005				
TERM STARTS	12/06/2005	02/25/2004	08/01/2006	04/05/2005	04/05/2005	08/01/2002	09/27/2005				
TERM EXPIRES	07/30/2007	02/25/2007	07/31/2009	04/04/2008	04/04/2008	07/31/2005	09/26/2008				
CHAIR/VICE						CHAIR					
12/08/2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	Shannon Fox Dawn Wynn	Shaw	1:35 PM	2:47 PM

MEMBER NAME	Seat No. 4 CYNTHIA BARLOW	Seat No. 5 FRANK DEERING	Seat No. 2 JOHN FLANIGAN	Seat No. 1 ROBERT HIGGINS	Seat No. 7 BETH KIGEL	Seat No. 3 LEAH SCHAD	Seat No. 6 JON SHAW	COUNTY ATTORNEY	SIGNED MINUTES	MEETING TIME	
										START	END
MEMBER SINCE	12/06/2005	02/26/1992	08/23/1988	08/23/1988	09/27/2005	02/02/1990	08/23/1988				
TERM STARTS	12/06/2005	02/25/2004	08/01/2006	04/05/2005	09/27/2005	04/05/2005	07/31/2005				
TERM EXPIRES	07/30/2007	02/25/2007	07/31/2009	04/04/2008	09/26/2008	04/04/2008	07/31/2008				
CHAIR/VICE					VICE		CHAIR				
01/26/2006	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shannon Fox Anne Helfant	Shaw	1:31 PM	3:21 PM
03/30/2006	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shannon Fox Dawn Wynn	Shaw	1:30 PM	2:39 PM
05/18/2006		<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shannon Fox Dawn Wynn	Shaw	1:36 PM	3:12 PM
07/20/2006	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dawn Wynn	Shaw	1:55 PM	2:41 PM
09/21/2006		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Dawn Wynn	Shaw	1:35 PM	3:29 PM
11/30/2006		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shannon Fox Dawn Wynn	Shaw	1:38 PM	3:15 PM
MEMBER NAME	Seat No. 4 CYNTHIA BARLOW	Seat No. 5 FRANK DEERING	Seat No. 2 JOHN FLANIGAN	Seat No. 1 ROBERT HIGGINS	Seat No. 7 BETH KIGEL	Seat No. 3 LEAH SCHAD	Seat No. 6 JON SHAW	COUNTY ATTORNEY	SIGNED MINUTES	MEETING TIME	
										START	END
Voting Conflicts											
MEMBER SINCE	12/06/2005	02/26/1992	08/23/1988	08/23/1988	09/27/2005	02/02/1990	08/23/1988				
TERM STARTS	12/06/2005	02/25/2007	08/01/2006	04/05/2005	09/27/2005	04/05/2005	07/31/2005				
TERM EXPIRES	07/30/2007	02/24/2010	07/31/2009	04/04/2008	09/26/2008	04/04/2008	07/31/2008				
CHAIR/VICE					CHAIR	VICE					
01/25/2007	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shannon Fox Anne Helfant	Shaw	1:36 PM	2:38 PM
03/22/2007	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shannon Fox Dawn Wynn	Kigel	1:33 PM	2:16 PM
05/17/2007	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shannon Fox Dawn Wynn	Kigel	1:41 PM	2:07 PM
07/19/2007	MEETING CANCELED – NO QUORUM										
09/20/2007	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shannon Fox Dawn Wynn	Kigel	1:51 PM	2:51 PM

P – Planned Absence

U – Unplanned Absence

[illegible]

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
BOARD APPOINTMENT INFORMATION FORM**

Part I:Board Name: Groundwater and Natural Resources Protection BoardAppointment: At Large ☒ Town ☐ or Industry ☐Seat # 4 Special Requirements of the Seat: Biologist/Chemist*Reappointment ☐ or New Appointment ☐or ☒ to complete the term of Cynthia M. Barlowdue to: ☐ resignation ☒ other Ms. Barlow was removed from the Board in accordance with the absenteeism requirements found in Resolution No. R2002-1606.Completion of term to expire on: July 30, 2010Term of Appointment: 3 years. From March 11, 2008 To July 30, 2010**Part II: APPLICANT, UNLESS EXEMPTED, MUST BE A COUNTY RESIDENT**Name: Jason A. MoretzOccupation/Affiliation: Senior EcologistBusiness Name: Ecology & Environment, Inc.Business Address: 1665 Palm Beach Lakes Blvd, Suite 500City & State: West Palm Beach, Florida Zip Code: 33401Residence Address: 15116 Oak Chase CtCity & State: Wellington, Florida Zip Code: 33414Home Phone: 561-792-8827 Business Phone: 561-640-6552Mailing Address preference: ☒ Business Address ☐ Residence Address or ☐ Other:**Minority Identification Code:**

- | | |
|--|---|
| <input type="checkbox"/> IF (American Indian Female) | <input type="checkbox"/> IM (American Indian Male) |
| <input type="checkbox"/> AF (Asian Female) | <input type="checkbox"/> AM (Asian Male) |
| <input type="checkbox"/> BF (Black Female) | <input type="checkbox"/> BM (Black Male) |
| <input type="checkbox"/> HF (Hispanic Female) | <input type="checkbox"/> HM (Hispanic Male) |
| <input type="checkbox"/> WF (White Female) | <input checked="" type="checkbox"/> WM (White Male) |

Part III: COMMISSIONER COMMENTS:Appointment to be made at BCC Meeting on: March 11, 2008

****When a person is being considered for reappointment, the number and nature of previously disclosed voting conflicts shall be considered by the Board of County Commissioners.**

 Number of previously disclosed voting conflicts. //

Signature: _____ Date: _____

Biology Section

JASON A MORETZ

Ecology & Environment Inc.
West Palm Beach, FL 33401

jmoretz@ene.com

561.640.6552 (w)
240.320.7518 (c)

EDUCATION

Ph.D. – Ecology and Evolutionary Biology
Ohio University

1999 - 2004
Athens, OH

M.S. – Biology
Winthrop University

1995 - 1997
Rock Hill, SC

B.S. – Biology
Winthrop University

1989 - 1994
Rock Hill, SC

SCIENCE WORK EXPERIENCE

Senior Ecologist & Biology Team Leader
Ecology & Environment, Inc.

2006 - present
W. Palm Beach, FL

Conduct investigations of aquatic and terrestrial vegetation and wildlife, including threatened and endangered species, to support E & E's preparation of EAs, EISs, and ERs. Design and participate in multimedia environmental sampling programs, habitat evaluations, and environmental regulatory compliance evaluations; evaluate environmental impacts, plan mitigation and monitoring programs and evaluate the effectiveness of restoration and mitigative measures.

As the lead ecologist for E & E on the North Palm Beach County CERP program of the SFWMD and USACE: evaluate water stage level changes for specific areas of concern; evaluate modeling output, including ground and surface water to determine nutrient and sediment loading; review and refine project performance measures and evaluation criteria; evaluate project alternatives; develop benefit/impact analyses approaches; document existing and historic conditions of biological communities; prepare PIR documents for SFWMD and USACE review and; actively participate in extensive stakeholder coordination.

Research Manager
Indiana University Biology Department

2004 - 2006
Bloomington, IN

Designed and managed ecology related research projects using zebrafish as a model organism in the study of domestication of fishes (applicable to conservation efforts in other non-laboratory fishes, e.g., salmonids). Utilized univariate and multivariate statistics to analyze data. Authored manuscripts for publication in peer reviewed journals and presented scientific research at national meetings. Prepared and submitted grant proposals from both federal and private funding agencies.

Research Biologist – Graduate Assistant
Ohio University Biology Department

1999 - 2004
Athens, OH

Designed and conducted research that focused on the role of urbanization impacts (habitat degradation and fragmentation) in the extirpation of distinct fish species through the loss of cues resulting in hybridization. Analyzed data relating to hydrologic withdrawals, water quality and fragmentation and their cumulative effects on local fish breeding patterns in determining the causes of hybrid zone establishment and reported the results at scientific meetings and in peer-reviewed professional journals.

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Research Assistant

Georgia Cooperative Fish and Wildlife Research Unit

1998 - 1999

Athens, GA

Conducted mark/recapture studies, estimated population size, and performed population viability modeling focusing on the threatened redhorse fish species. Evaluated data generated from the project in order to develop a reintroduction program and prepared grant proposals for federal funding.

Senior Environmental Scientist

Environmental Scientist

Trigon Engineering Incorporated

1995 - 1997

1994 - 1995

Charlotte, NC

Performed stationary source air quality sampling and analysis using EPA approved methods. Prepared technical reports for clients and state agencies. Pre-surveyed projects and conducted follow up meetings with clients. Operated and maintained a wide variety of laboratory and field sampling equipment. Trained and supervised other employees.

Volunteer Field Biologist

York County Museum

1993 - 1994

Rock Hill, SC

Conducted mark/recapture studies to investigate the effects of electrical transmission corridors on local amphibian and small mammal populations. Used mark recapture models and multivariate statistical analyses to estimate the impacts to population sizes and compared species diversity among successional stages of transmission corridors and adjacent habitat types.

PUBLICATIONS

Moretz, J.A., E. Martins and B. Robison. 2007. The effects of early and adult social environment on zebrafish (*Danio rerio*) behavior. *Environmental Biology of Fishes* 80: 91-101.

Moretz, J.A., E. Martins and B. Robison. 2007. Behavioral syndromes and the evolution of correlated behavior in zebrafish. *Behavioral Ecology* 18: 556-562.

Moretz, J.A. and M.R. Morris. 2006. Phylogenetic analysis of the evolution of a signal of aggressive intent in northern swordtail fishes. *The American Naturalist* 168: 336-349.

Moretz, J.A. 2005. Aggression and dominance are correlated in the swordtail fish *Xiphophorus cortezi*: the advantage of being barless. *Behavioral Ecology and Sociobiology* 59:51-57.

Morris, M.R., J.A. Moretz and K. Farley. 2005. The role of sexual selection in the loss of sexually selected traits in the swordtail fish *Xiphophorus continens*. *Animal Behavior* 69: 1415-1424.

Moretz, J.A. and W. Rogers. 2004. An ethological analysis of the breeding behavior of the fantail darter, *Etheostoma flabellare*. *American Midland Naturalist* 152: (140-144).

Moretz, J.A. and M.R. Morris. 2004. A comparative analysis of the role of aggression in the evolution of vertical bars in northern swordtail fishes. *Journal of Integrative and Comparative Biology* 43(6): 844-844.

Moretz, J.A. and M.R. Morris. 2003. Evolutionarily labile responses to a signal of aggressive intent. *Proceedings of the Royal Society* 270: 2271-2277.

Moretz, J.A. 2003. Aggression and RHP in the northern swordtail fish, *Xiphophorus cortezi*: the relationship between size and contest dynamics in male-male competition. *Ethology* 109:995-1008.

Morris, M.R., J.A. Elias and J.A. Moretz. 2001. Defining vertical bars in relation to female preference in the swordtail fish *Xiphophorus cortezi* (Cyprinodontiformes, Poeciliidae). *Ethology* 107: 827-837.

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PRESENTATIONS

Barranco, M., J.A. Moretz, J. Bolleter and M. Voich. 2007. Lake Worth Lagoon Salinity Variability and Sediment Loading. 18th Annual Conference of the Florida Lake Management Society. Naples, FL.

Moretz, J.A., E.P. Martins and B.D. Robison. 2005. Behavioral differences across three strains of zebrafish (*Danio rerio*): evidence of behavioral syndromes? Presented at the annual meeting of the Animal Behavior Society, Snowbird, Utah.

Moretz, J.A. and M.R. Morris. 2005. The evolution of a signal of aggressive intent in northern swordtail fishes. Presented at the annual meeting of the Animal Behavior Society, Snowbird, Utah.

Accaron, A., J.A. Moretz and E.P. Martins. 2005. The effect of social environment on boldness behavior in zebrafish (*Danio rerio*). Presented at the annual meeting of the Animal Behavior Society, Snowbird, Utah.

Clark, C., E.P. Martins and J.A. Moretz. 2005. Strain shoaling preferences in zebrafish (*Danio rerio*). Presented at the annual meeting of the Animal Behavior Society, Snowbird, Utah.

Moretz, J.A. and M.R. Morris. 2004. A comparative analysis of the role of aggression in the evolution of vertical bars in northern swordtail fishes. Presented at the annual meeting of the Society of Integrative and Comparative Biologists, New Orleans, Louisiana.

Morris, M.R., J.A. Moretz, K. Rafley and P. Nicoletto. 2004. Loss of sexually selected traits in swordtails. Presented at the annual meeting of the Animal Behavior Society, Oaxaca, Mexico.

Moretz, J.A. and M.R. Morris. 2003. Aggressive signals and responses in northern swordtail fishes. Presented at the annual meeting of the Animal Behavior Society, Boise, Idaho.

Moretz, J.A. 2002. Initiation of agonistic encounters by eventual contest losers: a study of contest dynamics in the northern swordtail fish, *Xiphophorus cortezi*. Presented at the Joint Meeting of Ichthyologists and Herpetologists, Kansas City, Missouri.

Moretz, J.A. 2000. Color changes in the fantail darter during courtship and male-male interactions. Presented at the annual Midwest Ecology and Evolution Conference (MEEC), Athens, Ohio.

Moretz, J.A. and W. Rogers. 1997. From egg to sperm; sequencing the breeding behavior of the fantail darter, *Etheostoma flabellare*. Presented at the South Carolina Academy of Sciences, Columbia, South Carolina.

TEACHING EXPERIENCE

Ohio University Department of Biology
Teaching Assistant, Ichthyology
Teaching Assistant, Field Ecology
Laboratory Instructor, Animal Ecology
Laboratory Instructor, Limnology

Athens, OH
2003
2001-2002
1999-2000
1999

Winthrop University Department of Biology
Teaching Assistant, Environmental Biology
Teaching Assistant, Methods in Biology
Teaching Assistant, Vertebrate Zoology
Teaching Assistant, Introductory Biology

Rock Hill, SC
1997
1996
1996
1995

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GRANTS AWARDED

- 2003 National Science Foundation Doctoral Dissertation Improvement Grant.
- 2003 Animal Behavior Society Student Research Grant.
- 2003 Ohio University Student Enhancement Award.
- 2002 American Society of Ichthyologists and Herpetologists Student Travel Grant.
- 2000-2002 Four Ohio University Department of Biological Sciences Travel Awards.

AWARDS AND HONORS

- 2004 Ohio University Outstanding Doctoral Student Award (University-wide competition).
- 2004 Department of Biological Sciences Outstanding Graduate Student Award. Ohio University.
- 2002 Storer Award. For: Best student poster presentation in Ichthyology. Joint Meeting of Ichthyologists and Herpetologists; Kansas City, Missouri.
- 1999-2004 Graduate Tuition Scholarship. Department of Biological Sciences, Ohio University.
- 1997 Department of Biology Outstanding Graduate Student Award. Winthrop University.
- 1997 Graduate Tuition Scholarship. Department of Biology, Winthrop University.

PROFESSIONAL SERVICE

- 2002-2004 Editorial Assistant, Animal Behavior Society quarterly newsletter.
- 2001-2002 Manuscript Reviewer, Environmental Biology of Fishes.
- 2000-2001 Job Search, Graduate Student Committee member, Ohio University.
- 2000 Planning Committee, Midwest Ecology and Evolution Conference.
- 1999-2000 Planning Committee, Department of Biological Sciences Graduate Recruitment Weekends.

PROFESSIONAL MEMBERSHIP

- | | |
|--------------|---|
| 2006-present | Society of Wetland Scientists |
| 2006-present | Florida Association of Environmental Professionals |
| 2002-present | International Society for Behavioral Ecology |
| 2002-present | Sigma Xi |
| 2000-present | Ecological Society of America |
| 2000-present | Society for the Study of Evolution |
| 2000-present | American Society of Ichthyologists and Herpetologists |

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