



To: Michigan Tech Center for Water & Society Advisory Committee
From: Alex Mayer, Director of Michigan Tech Center for Water & Society
Date: April 23, 2007
Subject: April 17, 2007 Michigan Tech Center for Water & Society Advisory Committee Meeting

Attachments: Meeting agenda
CWS Budget for Fiscal Year 2007
CWS Projected budget for Fiscal Year 2008
CWS Affiliated Project list
CWS Submitted Proposal Report

The April 2007 meeting of the Michigan Technological University Center for Water & Society (MTCWS) Advisory Committee (AC) was held April 17, 2007, 2:00 to 3:00 am in the Dow Environmental Engineering & Sciences room 426. The purpose of this memo is to describe the results of the meeting.

Present were: Alex Mayer, Director
Kathy Halvorsen, representative, Social Sciences
Christine Anderson, representative, Educational Opportunity
Tom Pypker, representative, School of Forest Resources & Env. Science.
John Gierke, representative, Geological & Mining Eng. & Sci.
Gary Campbell, representative, School of Business
Noel Urban, representative, Civil & Environmental Eng.
Carol Asiala, CWS administrative assistant

1. Minutes from last Meeting

Approved December 5, 2006 minutes.

The Advisory Committee will meet next during the Fall 2007 semester.

2. Budget

- a. 2006-7 Budget (attached)
- b. Projected 2007-8 Budget (attached)

- c. List of projects currently affiliated with CWS (attached)
- d. Projection of OH Incentive Return on Pending Projects.
This projection was calculated by multiplying the amount of Indirect Costs by 20.7% (CWS percentage of OH Incentive Return). The yearly amounts of Indirect Costs were spread out by quarters to estimate future overhead incentive return if projects are approved. The 2007-08 budget uses a probability multiplier to attempt a realistic estimate of incoming funds.
- e. Report of proposals submitted through CWS (attached)

3. Director's Report

- a. Graduate student requests for funds
Two Graduate students submitted written proposals to request support for research and travel. Both requests were honored under recommendation of the Director and approval of the Advisory Committee.

A \$500 graduate student research award has been granted to Civil and Environmental Engineering grad-student, Nancy-Jeanne Bachmann, for her research in "Hydrologic Monitoring of an Underdrained Low Impact Development (LID) Stormwater Management System in Gainesville, VA".

A \$300 graduate student travel award has been granted to Social Sciences grad-student, Gerald Greer, to present his research on Watershed Groups in Michigan at the International Symposium on Society and Resource Management (ISSRM) in Park City, Utah in June 2007.
- b. Proposals lead/cooperated – PIRE, CZO, IGERT, MUSES, USFWS
These proposals have all been submitted by groups of individuals in multiple departments across campus, and the IGERT pre-proposal was a direct result of a series of meetings held by the Great Lakes Research group which was created and directed by CWS.
- c. Conferences attended –
"Thirsting to Serve 2007", February 19, 2007, Grand Rapids, MI
Topics focused on safe water and bio-sand filters in the Dominican Republic and Southeast Asia.

"Climate Change in the Great Lakes Region", March 15-16, 2007, Lansing, MI
Speaker Presentations are online at:
<http://environment.msu.edu/climatechange/presentations.html>
- d. Faculty Searches
Assisted in faculty search process in School of Business and Economics, Civil and Environmental Engineering and directed the dean search committee for the College of

Engineering.

- e. Status of Role of Water in Michigan's Economy Symposium
The symposium has been cancelled for the current time frame, and has been put into a restructuring phase to gain a more specific definition of the scope of the focus area and target audiences.
- f. Proposals submitted through CWS (does everybody know they can do this?)
Carol will request a 2nd report from Research Services to list all current projects of CWS participants, showing current affiliations. Projects that are not already affiliated with other research centers and institutes that are focused on water research will be reviewed.

A periodic reminder will be posted in the CWS weekly new email to remind participants how to affiliate new proposals to CWS.

- g. Other significant activities-
"Kerfoot" Upper Great Lakes Research Laboratory
Huron Creek Watershed Management Project
Beans to boats: work to convert Agassiz research vessel to run on Bio-diesel fuel

4. Subcommittee and other Reports

- a. **Degree Subcommittee**
Members: Nancy Auer, Kathy Halvorsen, Alex Mayer

The committee has developed a list of all current water-related courses offered at MTU, and is working towards a course framework for a minor and a graduate certificate in water study. The course list will be posted on the CWS website as a reference for students and instructors.

An application has been developed that will be used next year for a formal competition for the graduate student research and travel awards.

- b. **Seminar & Symposia**
Members: Noel Urban, Kathy Halvorsen, Chris Anderson, Alex Mayer

World Water Day speaker would have conflicted with Earth Week's main speaker, so plans are being made now to schedule a speaker for next year's World Water Day.

CWS is a co-sponsor of the International Symposium on Society and Resource Management (ISSRM) in Park City, Utah in June 2007.

The subcommittee will check into sponsoring a presentation by Peter Annin, author of *The Great Lakes Water Wars*, at MTU.

c. Outreach

Christine Anderson pointed out that there are existing outreach programs at MTU that are already involved with water research, such as John Gierke's Aqua Terra Tech Enterprise program. These are programs where CWS could offer additional support.

5. CWS Goals for 2007-08

a. Budget allocations.

The budget allocations for Fiscal Year 2008 (July 2007-June 2008) were reviewed. Because some income may come from pending projects not yet approved, it was decided to prioritize spending, and the Advisory Committee will review the budget midway through the year.

b. "Focus areas" (Shift from GL to International)

The Great Lakes Research Group led by CWS submitted a pre-proposal to the NSF IGERT program. It was recommended by Noel Urban that this research group continue to meet to work on additional proposals concerned with the Great Lakes. Another group will be initiated to focus on the topic of International Aspects of Water.

c. Large proposals or other initiatives: GK-12

A previous proposal to the NSF GK-12 program focused on GIS watershed mapping, which would involve a PhD student, research in a topical area, and K-12 curricula development. At the announcement that this proposal would be refined and resubmitted, Christine Anderson informed the committee that a separate proposal was in the beginning planning stages led by Jackie Huntoon (Dean of Grad School) and Brad Baltensperger (Chair of Education Department). Christine offered to discuss the watershed GIS theme with Jackie and Brad to determine the possibility of combining efforts into one proposal.

6. Next Meeting

The next CWS Advisory Committee meeting will be held during the Fall 2007 semester.

CWS Advisory Committee Agenda

Tuesday, April 17, 2007 2:00 p.m., DOW 426

- d. Minutes from last meeting (12/5/06) (attached)
- e. Budget
 - a. 2006-7 Budget (attached)
 - b. Projected 2007-8 Budget (attached)
 - c. Projection of OH Incentive Return on Pending Projects
- f. Director's Report
 - d. Graduate student requests for funds
 - e. Proposals lead/cooperated – PIRE, CZO, IGERT, MUSES, USFWS
 - f. Conferences attended – Rotary, GL Climate Change
 - g. Faculty Searches
 - h. Status of Role of Water in Michigan's Economy Symposium
 - i. Proposals submitted through CWS (does everybody know they can do this?)
 - j. Other significant activities- "Kerfoot" Upper Great Lakes Research Laboratory, Huron Creek WMP, Beans to boats
- g. Subcommittee and other Reports
 - k. Education Subcommittee
 - l. Seminars and Symposia Subcommittee
 - m. Outreach
- h. CWS Goals for 2007-08
 - n. Budget allocations
 - o. "Focus areas" (Shift from GL to International)
 - p. Large proposals or other initiatives: GK-12
- i. Next meeting

CWS Incentive Return Account - July 1, 2006 - June 30, 2007

Revenues (July 2006 - March 2007)		
Balance as of June 30, 2007		\$1,491.99
Transfer from CWS REF Acct	\$17,220.00	
June 2006 Inc. Ret	\$1,364.09	
Sept. 2006 Inc. Ret	\$383.72	
Dec. 2006 Inc. Ret.	\$740.18	
Correction in Inc Ret (Sept, Dec 2006)	\$134.56	
Total Revenues	\$19,842.55	\$21,334.54
Expenditures (July 2006 - March 2007)		
Faculty S&W (Alex Mayer release time)	-\$873.93	
Administrative Assist. (Carol Asiala)	-\$3,596.07	
Fringe Benefits	-\$1,895.28	-\$6,365.28
Banquet Charges (IGERT)	-\$20.50	
Boat Use Charge	-\$1,000.00	
Student Awards	-\$375.00	-\$1,395.50
Travel	-\$3,871.84	-\$3,871.84
Seminars co-sponsorship (ISSRM)	-\$125.00	
Seminars on Campus	-\$600.00	-\$725.00
Total Expenditures	-\$12,357.62	
Balance (March 31, 2007)		\$8,976.92
Expected Revenues (April - June 2007)		
March 2007 Incentive Return	\$1,582.06	
June 2007 Incentive Return*	\$4,619.00	\$6,201.06
		\$15,177.98
Outstanding Expenditures (April - June 2007)		
Equipment CostShare - Noel Urban's REF	-\$1,000.00	
Grad Student Support**	-\$800.00	
Nancy-Jeanne Bachmann - \$500		
Gerald Greer - \$300		
Joan Schumaker-Chadde***	-\$725.00	
(K-12 CWS Website - \$250)		
(Balance from Dr. Gallo - \$150)		
(Balance from Agassiz - 325)		
Carol's Salary and Fringes	-\$2,032.62	
Laurie Davis - Scholarship	-\$250.00	
(7th Biennial Lake Superior Youth Symposium)		
Miscellaneous Expenditures April-June 2007	-\$1,000.00	-\$5,807.62
Available balance for FY 2008		\$9,370.36

* June 2007 Incentive Return: this estimate is based on the remaining balances in the CWS research projects. The actual Incentive Return will be based on actual costs incurred during the April - June 2007 quarter.

***Joan Schumaker-Chadde: CWS did not get charged the full amount expected from Joan's Dr. Gallo and Agassiz projects. Does the Advisory Committee approve of using the remaining balance of funds previously allocated to Joan for her project to update the K-12 portion of the CWS website?

Projected Incentive Return (April-June 2007):
Pending acceptance of submitted projects

\$1,837.00

CWS Incentive Return Account - July 1, 2007 - June 30, 2008

Expected Balance in CWS Funds on June 30, 2007			9,370
Revenues			
Expected Overhead Incentive Return - Existing Projects		8,666	
Estimated Overhead Incentive Return - Pending Proposals	72,618	14,524	
probability multiplier	20%		
Total Expected Revenues			23,190
Expenditures			
Director		0	
Administrative Assist. (Carol Asiala @ 5hr/wk)		8,537	
Supplies		1,000	
Seminar Speakers		5,000	
Travel		4,500	
Outreach		3,000	
Student Research Showcase Competition		1,000	
Grad Student grants: 5 \$300 travel grants, 5 \$500 research grants		4,000	
Faculty/Staff Matching Grants		4,000	
Total Expected Expenditures			31,037
Balance			1,523

Research Projects Currently Affiliated with CWS - April 2007

Dept	Account Index Title	Financial Manager		Status	Report Type	Project Start Date	Project End Date	Proposal Code
22400 - Civil & Environmental Engineering	NSF-CWS-Lake Sup Carbon Bal	Urban, Noel R		A	RSCH	01-Oct-2006	30-Sep-2010	060332
	CLEMS-CWS Hrrg Gull BioSentl Smpng	Perlinger, Judith A		A	RSCH	01-Aug-2006	30-Sep-2008	060521
	UPSTA-CWS-Sedimnt/Schohar Reservoir	Urban, Noel R		I	RSCH	01-Jan-2005	23-Aug-2007	041145
22550 - Geological & Mining Eng & Sciences	USEDU-CWS/YR 4-ExCit: Expand Cities	Mayer, Alex S		A	RSCH	01-Oct-2003	31-Aug-2007	030420
	USEDU-CWS-YEAR1-ExCit:Expand Cities	Mayer, Alex S		I	RSCH	01-Oct-2003	31-Aug-2007	030420
	USEDU-CWS-YEAR2-ExCit:Expand Cities	Mayer, Alex S		I	RSCH	01-Oct-2003	31-Aug-2007	030420
	USEDU-CWS-YR 3-ExCit: Expand Cities	Mayer, Alex S		A	RSCH	01-Oct-2003	31-Aug-2007	030420
	AMERI-CWS-Train Core Wat Rs Exp	Mayer, Alex S	Closed out	I	RSCH	20-Feb-2003	15-Aug-2006	020311
	MTU-CWS-Andrea Munoz Assistshp	Mayer, Alex S	Closed out	I	RSCH	20-Feb-2003	15-Aug-2006	020311
	MTCWS Institute-O/H Incentive	Mayer, Alex S	CWS Operating Funds	A	YTD			
24100 - Biological Sciences	MIDNR-CWS-Ontonagon River Sturgeon	Auer, Nancy A	No Overhead Return	A	RSCH	01-Oct-2006	30-Sep-2008	060923

Proposals Submitted by the Michigan Tech Center for Water & Society																		
PI/Co-PIs	Dept/Center/Institute	Title	Sponsor	Requested Amount	Cost Share	Total Project Value	Start Date	End Date	MTU Proposal Number	Overhead on Sponsor Portion	Overhead on Cost Share	Waived Overhead	Overhead Rate	Submitted	Approved	Not Funded		
Alex Mayer	EGM/CWS	Global Watershed: Integrating Rural and Global Perspectives with Research and Technology	NSF	\$1,443,760	\$172,008	\$1,615,768	7/1/2006	6/30/2009	050548	\$125,565	\$0	\$63,788	38%	6/1/2005		11/30/2005		
Susan Bagley	SBL/CWS																	
Brian Barkdoll	ECEE/CWS																	
Linda Nagel	FFRE/CWS																	
Andrew Storer	FFRE/CWS																	
Alex Mayer	GMES/CWS	Collaborative Research: Rapid Assessment Tool for Determining Risks to Human Health and Sensitive Ecosystems as a Result of Chemical Releases Due to Hurricane Katrina	NSF	\$43,246	\$0	\$43,246	11/5/2005	10/31/2006	050938	\$5,909			26%	9/23/2005		rejected		
Susan Bagley	BIO/CWS																	
David Watkins (Sr. Pers)																		
Kurt Paterson (Sr. Pers)																		
Yue Li (Sr. Pers)																		
Nancy Auer	SBL/CWS	Ring of Fire: Diporeia, Carbon Flux and Critical Habitat in Lake Superior	NOAA	\$708,639	\$121,714	\$830,353	4/1/2006	12/31/2007	051010	\$124,751	\$25,115		26%	10/3/2005		rejected		
Noel Urban	CEE/CWS																	
Martin Auer	CEE/CWS																	
Joan Chadde	CEE/CWS																	
Joan Chadde	WUP/CWS	Development of a Michigan Stream Management Guide	National Fish & Wildlife Foundation	\$47,025	\$86,994	\$134,019	4/15/2006	10/14/2007	051126	\$0	\$16,478	\$26,334	56%	11/15/2005		rejected		
Alex Mayer	GMES/CWS																	
David Watkins	CEE/CWS																	
Casey Huckins	BIO/CWS																	
John Gierke	GMES/MTCW	Remote Sensing for Groundwater Exploration in Volcanic Terrain	NASA	\$24,000	\$0	\$24,000	9/1/2006	8/31/2007	060141	\$0	\$0		N/A (Fellows)	1/30/2006		rejected		
Jill Barbour	GMES																	
John Gierke	GMES/MTCW	Coupling Geochemical and Geophysical Characterizations for Understanding Watershed Hydrology in Volcanic Terrain in Boaco, Nicaragua	NSF	\$150,000	\$0	\$150,000	9/1/2006	8/31/2009	060231	\$16,360		\$18,360	26%	2/15/2006		rejected		
Wayne Pennington	GMES/MTCW																	
Noel Urban	CEE/CWS	Collaborative Research: The carbon balance of Lake Superior: modeling lake processes and understanding impacts on the regional carbon budget	NSF	\$242,199	\$0	\$242,199	8/1/2006	7/31/2010	060332	\$69,909			56%	3/15/2006	9/22/2006			
Kathy Halvorsen	SFRES/CWS	An Integrated Assessment of Biophysical and Socioeconomic Indicators Applied to the Manistique River Watershed Assessment	Sea Grant	\$161,546	\$87,762	\$249,308	2/1/2007	1/31/2009	060518	\$41,363	\$30,582		56%	May-06		rejected		
Nancy Auer	BIO/CWS																	
Alex Mayer	GMES/CWS																	
John Sutherland	MEEM/SFI	Improved Decision-Making for Sulfide Mining: Enhancing the Sustainability of Mining Projects in the Lake Superior Region	EPA	\$299,897	\$0	\$299,897	9/1/2006	8/31/2009	060529	\$76,997			56%	5/17/2006		rejected		
John Gierke	GMES/SFI																	
Carol MacLennan	SS/SFI																	
Christa Walck	Bus./SFI																	
David Watkins	CEE/SFI																	
Alex Mayer	GMES/CWS	Huron Creek Watershed Management Plan	MI-EPA	\$19,095	\$37,526		9/1/2006	8/31/2007	060321P1	\$1,652		\$6,280	20%	Mar-06	9/12/2006			
Alex Mayer	GMES/CWS	IGERT: Sustainable Solutions to Global Water Scarcity: Participatory Processes, Public Health, and Information Systems	NSF	\$3,534,887					060355PP							rejected		
Susan Bagley																		
Kathleen Halvorsen																		
Alex Mayer	CWS	Air: A Conduit between Water, Society, and Space	State of Michigan - REF	\$49,045	\$4,000	\$53,045	7/1/2006	8/30/2007	060604	\$0	\$0			3/28/2006	5/18/2006			
Noel Urban	CEE																	
Sarah Green	CHEM																	
Charles Kerfoot	BIO																	
Judith Perlinger	CEE																	
Total Proposals submitted - Fiscal Year 2006				\$6,723,339														
David Watkins	CEE/CWS/SFI	Regionalization Techniques for Ensemble Streamflow Prediction	NOAA	\$131,360	\$0	\$131,360	5/1/2007	4/30/2009	060748	\$36,688			56%	7/25/2006		rejected		
David Watkins		Factors Influencing Successful Water Quality Trading Programs	EPA	\$135,750	\$0	\$135,750	6/1/2007	8/31/2008	060929	\$39,586			56%	9/27/2006		rejected		
Barry Solomon																		

Proposals Submitted by the Michigan Tech Center for Water & Society																
PI/Co-PIs	Dept/Center/Institute	Title	Sponsor	Requested Amount	Cost Share	Total Project Value	Start Date	End Date	MTU Proposal Number	Overhead on Sponsor Portion	Overhead on Cost Share	Waived Overhead	Overhead Rate	Submitted	Approved	Not Funded
Noel Urban	CEE/CWS	Bioaccumulation of Hg Released from Mine Tailings on Michigan's Keweenaw Peninsula	EPA Great Lakes National Program Office	\$58,924	\$0	\$58,924	5/7/2007	5/6/2008	0061082	\$15,522			56%	10/26/2006		
Judith Perlinger	CEE/CWS															
Charles Kerfoot	BS															
David Watkins	CEE/CWS	PIRE: Risk Perception Analysis and Water Resources Management in Latin America	NSF Pre-Proposal				7/1/2007	6/30/2012	061093PP					10/30/2006		rejected
Kathy Halverson	SS/SFRES/CV															
Veronica Webster Griff	CEE/CWS															
James Mihelcic	CEE/CWS															
Alex Mayer	GEO/CWS															
Judith Perlinger	ECEE/CWS	Herring Gull BioSentinal Sampling Program Cooperative Agreement	Clemson Univ.	\$8,000	\$0	\$8,000	8/1/2006	9/30/2008	060521	\$1,430			26%	May-06	11/21/2006	
Noel Urban																
Judith Perlinger	ECEE/CWS	A Modified Relaxed Eddy Accumulator for Measurement of Persistent Bioaccumulative Toxicant Fluxes in Coastal/Estuarine Areas	CICEET Univ of NH	\$475,873	\$0	\$475,873	5/7/2007	5/6/2009	061225	\$65,637			56%	12/13/2006		
Dave Watkins	CEE/CWS	Optimal Identification of Climate Signals and Conditioning of Ensemble Streamflow Prediction Forecasts	Dept of Commer	\$245,655	\$13,025	\$265,974	6/1/2007	5/31/2009	061229P1	\$67,103			56%	12/15/2006		
Veronica Griffis	CEE/CWS															
Nancy Auer	BIO/CWS	Streamside Lake Sturgeon Culture for the Ontonagon River, Michigan	MI DNR	\$64,240	\$30,798	\$95,038	10/1/2006	9/30/2008	060923	\$0	\$14,862	\$11,219	26%		11/15/2006	
Nancy Auer	BIO/CWS	Monitoring Biodiversity: An Illustrated Atlas to the Larval Fishes of the Great Lakes	NSF	\$445,797	\$35,018	\$480,815	7/1/2007	12/31/2010	070101	\$97,744	\$12,571		56%	1/5/2007		
Martin Auer	CEE/CWS	Enhanced Natural Recovery of Hg-Contaminated Sediments by Nitrate Augmentation	NIH	\$911,125	\$0	\$911,125	9/1/2007	8/31/2010	070117	\$169,981			56%	1/10/2007		
Noel Urban	CEE/CWS															
Gilbert Lewis	Math/CWS															
Hugh Gorman	SS/CWS	Society, Sustainability, and N: A History of Society's Changing Knowledge of and Interaction with the Nitrogen Cycle	NSF	\$134,541	\$7,773	\$142,314	9/1/2007	5/30/2009	070157	\$38,713		\$7,773	56%	1/31/2007		
Robert Stottlemeyer	BIO/CWS	The Calumet Watershed, Lake Superior Basin: An observatory to assess impacts of change in the hydrologic cycle and land use on biogeochemical processes	NSF	\$2,739,067	\$18,042	\$2,757,109	8/1/2007	7/31/2012	070208	\$434,771		\$18,042	26%	2/2/2007		
Alex Mayer	GEO/CWS															
David Toczydlowski	BIO/CWS															
Joan Chadde	WUP/CWS	Development of a Stream Management Guide to Enhance Great lakes Coastal Habitats	U.S. Fish & Wildlife Service	\$19,997	\$41,846	\$61,843	6/15/2007	6/30/2009	070248	\$2,608	\$6,995	\$4,000	15% and 38%	2/21/2007		
Casey Huckins	BIO/CWS															
Alex Mayer	GMES/CWS															
Alex Mayer	GMES/CWS	Assessment of groundwater influence on coaster brook trout spawning habitat using non-invasive methods in the Salmon Trout River, Upper Peninsula of Michigan	U.S. Fish & Wildlife Service's Coastal Program - Great Lakes	\$19,617		\$19,617	6/1/2007	5/31/2008	070251	\$4,048			26%	2/23/2007		
Alex Mayer	GMES/CWS/S	Collaborative Research: Modeling and Analyzing the Use, Efficiency, Value and Governance of Water as a Material in the Great Lakes Region Through an Integrated Approach	NSF	\$1,078,322		\$1,078,322	9/1/2007	8/31/2012	070215	\$300,897			56%	2/7/2007		
James Mihelcic	CEE/CWS/SFI															
David Watkins	CEE/CWS/SFI															
Qiong (Jane) Zhang	CEE/CWS/SFI															
Alex Mayer	GMES/CWS	Assessment of groundwater influence on coaster brook trout spawning habitat using non-invasive methods in the Salmon Trout River, Upper Peninsula of Michigan	Huron Mountain Wildlife Foundation	\$20,869	\$3,346	\$24,215	6/1/2007	5/31/2008	070262			\$3,346	26%	3/1/2007		
Noel Urban	CEE/CWS	Collaborative Research: Modeling of the lower food web in Lake Superior	NSF	\$517,552		\$517,552	1/1/2008	12/31/2010	070308	\$148,566			56%	3/1/2007		
Marty Auer	CEE/CWS															
Marty Auer	CEE/CWS	Disappearing Diporeia: Testing the Food Limitation Hypothesis	EPA Great Lakes	\$285,460		\$285,460	9/1/2007	8/31/2010	070342	\$89,410			56%	3/21/2007		
Nancy Auer	SBL/CWS															

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Noel Urban	CEE/CWS	Limitation Hypothesis	Nat'l Prog Office													
Marty Auer	CEE/CWS	Disappearing Diporeia: Testing the Food Limitation Hypothesis	Great Lakes Fishery Commission	\$285,460		\$285,460	9/1/2007	8/31/2010	070345	\$89,410			56%	3/23/2007		
Nancy Auer	SBL/CWS															
Noel Urban	CEE/CWS															
Marty Auer	CEE/CWS	Disappearing Diporeia: Testing the Food Limitation Hypothesis	Great Lakes Fishery Trust	\$285,460		\$285,460	9/1/2007	8/31/2010	070344	\$89,410			56%	3/23/2007		
Nancy Auer	SBL/CWS															
Noel Urban	CEE/CWS															
Alex Mayer	GMES/CWS	IGERT: Multi-scale stressors and the sustainability of the Lake Superior basin	NSF IGERT				7/1/2008	6/30/2013	070406PP					4/5/2007		
Noel Urban	CEE/CWS															
Nancy Auer	BIO/CWS															
Kathy Halvorsen	SS/CWS															
Charles Kerfoot	BIO/CWS															
Total Proposals submitted - Fiscal Year 2007				\$7,863,069												