

# Environmental Consortium

## of Hudson Valley Colleges & Universities

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### **River Summer Task Force Report**

Steering Committee Meeting 24 September, 2010

#### **Summary**

This report documents the River Summer 2010 program. It is the third of 3 River Summer programs funded by the 2008 Mellon grant. We continued to work towards our goals: 1) Increase connections among faculty at different institutions and from different disciplines, and 2) Facilitate the development of curriculum and activities by faculty and teachers at their home institutions and schools based on River Summer's field & place based activities. The orientation for River Summer was held by teleconference on July 1<sup>st</sup> and River Summer 2010 ran from July 8<sup>th</sup> through July 23<sup>rd</sup>. A total of 101 individuals from 55 different institutions and organizations participated in this year's program (see Appendix I: Participant List). We used the concept of sustainability and its many definitions to connect numerous field based activities from a variety of disciplines.

#### **Task Force meetings and planning**

The theme of sustainability, although of interest, was outside the area of expertise of the majority of current task force members. We enlisted several individuals whose areas of expertise were helpful to us in focusing and developing this year's program. Some were new to River Summer (Bruce Jennings, Meg Ryan) others were previous RS participants (Ted Eismier, Marilyn Power, Meryl Nadel, Roger Panetta). We decided to host a panel discussion that would introduce the topic of sustainability through a variety of different perspectives (ethics, political, economics, etc.) and brainstormed the title "*Navigating Sustainability: The Hudson and Beyond.*" We thought that a general introduction to the topic in this fashion would be of interest to the community as well as serve as an excellent resource for River Summer participants. On 15 April, 2010, River Summer and the Environmental Consortium co-hosted the panel discussion with the Earth Institute of Columbia University. The event was held at Barnard College. We encourage you to view the archived presentation at:

<http://www.earth.columbia.edu/articles/view/2665>

Geoff Brackett, Pace University, agreed to Moderate the discussion, and presenters included: Marilyn Power, Sarah Lawrence College, "An economic definition of sustainability"; Bruce Jennings, Center for Humans and Nature, "The role of environmental ethics"; Patricia Culligan, Columbia University, "Rethinking our infrastructure designs through civil engineering"; Theodore Eismeier, Hamilton College, "The role of local politics"; and Meg Walker, Project for Public Spaces, "The use of architecture to create a sense of place".

#### **Logistics and program modifications**

##### *Assigned readings*

A major change in this year's program was to have a manageable amount of assigned readings that would form the basis of focused discussions on board. Bruce Jennings made numerous suggestions and we decided to assign the essay – "the Death of Environmentalism" by Michael Shellenberger and Ted Nordhaus to all participants and one of three books to each of the different module participants.

Module 1 – *"The Bridge at the Edge of the World"* Gus Speth

Module 2 – *"The End of Nature"* Bill McKibben

Module 3 – *"Right Relationship"* Peter Brown

Designed to establish a common foundation of scholarship, these readings and the topics therein permeated our program and stimulated numerous discussions. The readings were sent out in advance and formed the basis of evening discussions during the program. In addition we also asked each participant to come prepared to lead part of a discussion on the book.

One additional change was we asked each participant to commit to three ways they planned to take what they had learned and discussed on how to live more sustainably and apply it in their own lives. This challenge formed a major part of each module wrap up. We will be following up with participants to see what they accomplished.

### *Journaling*

Based on the success we had in RS09, we decided to include the daily journaling in this year's program. After a brief discussion of the day's activities, two participants volunteered to write the journal entry. The RS2010 journal is available on line at:

<http://www.riversummer.org/photos/2010.html>

Donna Kowal (Environmental Consortium) provided excellent editing and publishing assistance making it possible to have a journal entry online the day after it was written.

### *Modules*

While we have focused on the concept of a whole river transit in previous programs, we felt that the topic lent itself better to the earlier format of more geographically focused modules. RS10 had three 5-day modules:

Module 1 – New York Harbor

Module 2 – Lower to Mid-Hudson (Piermont to Poughkeepsie)

Module 3 – Mid to Upper Hudson (Round trip Poughkeepsie to Catskill).

We included an entire day of staging and set-up prior to the start of Module 1, which made everything run a lot smoother. Similar to last year's program, we started the module on the morning of the first day and finished by the mid-afternoon (~3:00PM) of the last day; extending the time on both ends of the program allowed the inclusion of additional activities and adequate time for discussion and wrap-up. Appendix II contains the final RS10 activity schedule.

### *No Adirondacks module*

Based on discussion with the task force, we decided not to have an Adirondack Module in RS10. This was in part driven by the fact that we had not developed new faculty connections in the Upper Hudson on which to draw for program content. In the end, we decided to focus RS10 on the river, and try to connect with researchers and educators working in the Adirondacks for a potential Adirondack module in 2011 (discussed below).

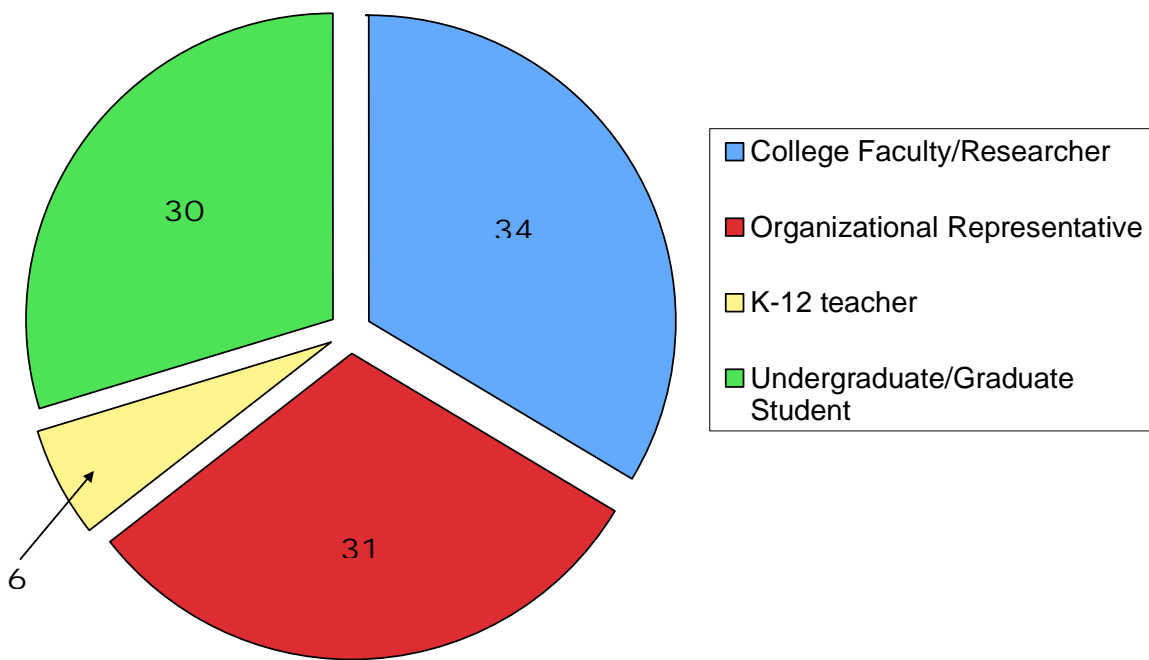
### *Call to participants*

Although we have been conducting thematically focused programs on topics other than science, we typically received many more applications from those in the science disciplines as compared to those from other disciplines. Since we were interested specifically in topics in the social sciences and humanities, we restructured our call for faculty participation to reflect this (Appendix III). This resulted in a much larger participation from outside the sciences this year.

## Participants

We had a fairly even mix of college faculty/researchers, organization representatives, teachers, and students with the dominant group being faculty (see figure below for breakdown). Of the 101 participants in this year's program, there were 72 who were new to River Summer and 29 that had participated in previous River Summer Programs. Of the repeaters, 6 participated in a different role or taught a modified program. Of the 34 college faculty/organizational representatives that participated in our program, 44% came from disciplines in the humanities and social science. From our measures of assessment, RS10 was very successful. Participant evaluations were quite positive.

**RS10 Participants (101 Total)**



## Program

RS10 followed in the direction of curricular activities connected by a common theme; this approach continues to work well. The lengthening of the modules allowed sufficient time for numerous activities as well as time to participate in discussions and synthesize the gathered information at the end of the module. The set-up day at the beginning of the program contributed greatly to a smooth program. The journal continues to work well and provides an excellent archive of our journey in the participants' own words. Once again, the task force participants played a crucial role in program development and were an incredible resource, and the daily journal is made feasible by the support of the Environmental Consortium staff.

## River Summer 2011???

Pending final approval from the Mellon Foundation, we will apply remaining funds towards an abbreviated program next summer. We have not developed a theme or specific format for RS11 and will plan a task force meeting later this year to discuss this further.

### **NYSDEC Curriculum Pieces**

As part of a grant from NYSDEC, several of the RS activities are being developed as stand alone Hudson-based curricular components. Thus far, 17 faculty members have agreed to develop curriculum pieces; to date, eight have been fully completed with one more close to completion, as follows:

*Completed and currently available on the River Summer website  
(<http://www.riversummer.org/curricula/field.html>)*

- Brian Jensen - Fisheries Biology
- Carol Rietsma - Marsh Ecology
- Steve Schimmrich - Geology of the Lower Hudson Valley
- Dan Farkas - Introduction to Using GIS Mapping Using
- Marilyn Powers - New Urbanism, the Political Economy of the Hudson River Valley and a Walking Tour Case Study
- Elizabeth Hutchinson – Seeing the Hudson Valley through the eyes of the ‘Hudson River School’
- Tom Sarro – Comparing Forest Communities in Close Proximity
- Bob Spiegelman - Interdisciplinary Perspectives on "Muh-hekun-ne-tuk" River Sites, or "A Tale of Three Middens"

*In amended draft stage*

- Michelle Land/Lee Paddock/Alex Dunn - An Environmental History of Law in The Hudson Valley

*In progress:*

- Tim Kenna - Visualizing estuarine circulation
- Ted Eismeier - Political Economy of the HV
- Margie Turrin/Karl Kehde - Community Planning/Brownfield Redevelopment in the HV
- Susan Fox Rogers - Free Writing
- Roger Panetta – Panoramas
- Howard Horowitz – Land Use in the Hudson Highlands
- Lucy Johnson – Early Man Decision Making Grid linked to a field guide of the historic uses of Denning’s Point
- Geoff Brackett – The Hudson River as a Literary Source

### **Podcasts**

Continuing on with work started by Michelle Land and Donna Kowal, we have been working with Besim Duhaj to produce iPod recordings that have been collected over the last several years of River Summer, editing them with short introductory clips and photo displays. We have the following audios cleaned up and posted with photo display. For each completed video a short 5 minute preview and a full length audio have been posted.

(<http://www.riversummer.org/curricula/video.html>)

As additional pieces are completed, they will be made available.

- Sterling Forest: The Sterling Iron Mine – Doc Bayne
- National Estuarine Research Reserve: The Role of the Reserve in the Estuary – Betsy Blair
- The Hudson River as a Literary Source: Source or Resource – Geoff Brackett
- The Beacon Institute for Rivers & Estuaries: Green Building at Dennings Point – Regan Chichester
- Hudson River Map Exhibit: Maps as a Means of Learning Your Area History & Resources – Patti Dunne
- Exploring Newburgh's Revitalization – Melissa Everett
- Highland Environmental History: Protecting Sterling Forest – Howard Horowitz
- Archeological Sites on the Hudson River – Lucy Johnson
- Marathon Battery Factory: Foundry Cove – Eric Lind
- Using Side Scan Sonar to learn about the bottom of the river – Frank Nitsche
- Well Water Contamination and its effect on trust in public institutions – Diane Olsen

And the following are completed but not yet posted:

- Hudson River Fisheries Biology, History and Practice – John Mylod
- Hudson River Meanings – Ric Scarce
- Geologic Influences on the Battle of Saratoga – Ric Scarce
- Industrial Archeology of Foundry Cove – Tim Scarlett
- Art History & Geology – Steve Schimmrich & Elizabeth Hutchinson
- The Hudson River Harbor – John Waldman

And the Following are in final revision:

- Fisheries – Brian Jensen
- Legal Talk on the Hudson – John Cronin
- Water Quality in the Hudson – Kevin McFarland

*Please feel free to contact Tim Kenna [tkenna@ldeo.columbia.edu](mailto:tkenna@ldeo.columbia.edu), if you have any questions or comments.*

## Appendix I – River Summer 2010 Participant List

Name	Institution/Organization	Category
Elizabeth Barry	Columbia University	College Faculty/Researcher
Suparna Bhalla	Marist College	College Faculty/Researcher
Henry Bokuniewicz,	SUNY Stony brook	College Faculty/Researcher
Rob Buchanan	The New School	College Faculty/Researcher
Ashley Curtis	International Research Institute for Climate and Society	College Faculty/Researcher
Meredith Davis	Ramapo College	College Faculty/Researcher
Theresa Edwards	Marist College	College Faculty/Researcher
Ted Eismeier	Hamilton College	College Faculty/Researcher
Stuart Findley	Cary Institute of Ecosystem Studies	College Faculty/Researcher
Jeremy Frisch	LDEO	College Faculty/Researcher
Dean Goddard	Marist College	College Faculty/Researcher
Andy Gold	Iona College	College Faculty/Researcher
Elizabeth Hutchinson	Barnard College	College Faculty/Researcher
Brian Jensen	College of St. Rose	College Faculty/Researcher
Natalie Jeremijenko	NYU	College Faculty/Researcher
Lucy Johnson	Vassar College	College Faculty/Researcher
Kelsey Jordahl	Marymount College	College Faculty/Researcher
Tim Kenna	LDEO	College Faculty/Researcher
Michael Koch	Marist College	College Faculty/Researcher
Brian Mailleaux	Barnard College	College Faculty/Researcher
Meryl Nadel	Iona College	College Faculty/Researcher
Frank Nitsche	LDEO	College Faculty/Researcher
Roger Panetta	Fordham University	College Faculty/Researcher
Dorothy Peteet	NASA GISS	College Faculty/Researcher
Lisa Phillips	Lenfest Center for Sustainable Energy	College Faculty/Researcher
Carol Reitsma	SUNY New Paltz	College Faculty/Researcher
Tom Sarro	Mt. St. Mary's College	College Faculty/Researcher
Steve Schimmrich	Ulster County Community College	College Faculty/Researcher
Jennifer Schwartz Berky	Bard College; Ulster County Planning Board	College Faculty/Researcher
Dave Strayer	Cary Institute of Ecosystem Studies	College Faculty/Researcher
Margie Turrin	LDEO	College Faculty/Researcher
Brent Turrin	Rutgers University	College Faculty/Researcher
Jamie Van Nostrand	Pace Climate Center	College Faculty/Researcher
Cathy Vaughan-Green	International Research Institute for Climate and Society	College Faculty/Researcher
Nancy Berlinger	The Hastings Center	Organizational Representative
Betsy Blair	Hudson River Maritime Museum Board	Organizational Representative
Sonia Cario	Keep Rockland Beautiful	Organizational Representative
Regan Chichester	Beacon Institute for Rivers & Estuaries	Organizational Representative
Hayes Clement	Kingston Alderman Ward 9	Organizational Representative
David Conover	Clearwater	Organizational Representative
Mariel Flori	La Voz	Organizational Representative
Vernon Gordon	Groundwork Yonkers	Organizational Representative
Kathy Hattala	NYS Department of Environmental Conservation	Organizational Representative
Arielle Hauptman	Greystone Bakery	Organizational Representative
Emily Hauser	Kingston Community	Organizational Representative
Michael Heintzman	Lamont-Doherty Earth Observatory	Organizational Representative
Leonard Houston	Army Corps of Engineers	Organizational Representative
Paul Huth	Mohonk Preserve	Organizational Representative
Bruce Jennings	Center for Humans and Nature	Organizational Representative
Greg Kaebnick	The Hastings Center	Organizational Representative
Eric Larson	Atlantic Richfield Company	Organizational Representative
Bernard Malloy	Historic Hudson River Towns	Organizational Representative
Rebecca Martin	Kingston Land Trust	Organizational Representative
Karen Maschke	The Hastings Center	Organizational Representative
Linda Mussmann	Time Space Limited	Organizational Representative
Steve Noble	Forsyth Nature Center	Organizational Representative
Patricia Rafferty	National Parks System	Organizational Representative
John Rufer	Tilcon Company	Organizational Representative
Shanan Smiley	Mohonk Preserve	Organizational Representative
Greer Smith	TRANSART	Organizational Representative
Dennis Suszkowski	Hudson River Foundation	Organizational Representative
Stacey Szewczyk	Lenfast Center	Organizational Representative
John Thompson	Mohonk Preserve	Organizational Representative
Meg Walker	Project for Public Spaces	Organizational Representative
Fred Yaeger	Yaeger Public Relations	Organizational Representative

## Appendix I – River Summer 2010 Participant List (continued):

Name	Institution/Organization	Category
Roy Arezzo	The Harbor School	K-12 teacher
Ticoz Gomez	The Harbor School	K-12 teacher
Karen Johnson	Trevor School	K-12 teacher
Argie Miller	Secondary School of Law, Brooklyn	K-12 teacher
Tom Mullane	Pearl River High School	K-12 teacher
Rosemarie Sanders	Mt. Vernon High School	K-12 teacher
Salima Bahri	Barnard College	Undergraduate/Graduate Student
Jillian Baker	Marist College	Undergraduate/Graduate Student
Janelle Batta	Columbia University	Undergraduate/Graduate Student
Alex Bauer	Marist College	Undergraduate/Graduate Student
Chris Bowser	Marist College	Undergraduate/Graduate Student
Kenneth Brooks	Marist College	Undergraduate/Graduate Student
Gergory Broslawski	Marist College	Undergraduate/Graduate Student
Cleo Chou	Columbia University	Undergraduate/Graduate Student
Kayleigh Eldrige	Marist College	Undergraduate/Graduate Student
Robin Embrick	Vassar College	Undergraduate/Graduate Student
Jerry Gilligan	Vassar College	Undergraduate/Graduate Student
Zhehan Huang	Columbia University	Undergraduate/Graduate Student
Peter Isles	Columbia University	Undergraduate/Graduate Student
Aaron Kass	Marist College	Undergraduate/Graduate Student
Caitlyn Ketterii	Marist College	Undergraduate/Graduate Student
John Malowany	Marist College	Undergraduate/Graduate Student
Chloe McGuire	Vassar College	Undergraduate/Graduate Student
Cara Mooney	Marist College	Undergraduate/Graduate Student
Thien Khoi Nguyen	Columbia University	Undergraduate/Graduate Student
Ashley O'Neill	Vassar College	Undergraduate/Graduate Student
Tim O'Reilly	Vassar College	Undergraduate/Graduate Student
Dina Palazzolo	Marist College	Undergraduate/Graduate Student
Max Perez	Secondary School of Law, Brooklyn	Undergraduate/Graduate Student
Samantha Pigott	Marist College	Undergraduate/Graduate Student
Rodrigo Prugue	Columbia University	Undergraduate/Graduate Student
Sanpisa Sritrairat	LDEO	Undergraduate/Graduate Student
Sriya Sundaresan	Columbia University	Undergraduate/Graduate Student
Luke Ungar	Marist College	Undergraduate/Graduate Student
Jingyu Wang	Lehman College of City University of New York	Undergraduate/Graduate Student
Agnieszka Zimny	Marist College	Undergraduate/Graduate Student

## Appendix II – River Summer 2010 Program

 <p>River Summer</p>	<p>River Summer 2010 Schedule</p>	 <p>Environmental Consortium</p>
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### MODULE 1- NY Harbor 7/8-7/12/10

*"The Bridge at the Edge of the World" Gus Speth*

Embark: Pier 40 West Side Highway at West Houston St New York, NY 10014

Disembark: SAME

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#### Thursday 7/8/10 - 1000 Module 1 board SUNY Sea Wolf @ Pier 40

Participants unload their gear on boat – brief orientation to the program goals and Journaling – Tim Kenna & Margie Turrin, Lamont-Doherty Earth Observatory – LDEO

**11:00-1430 Roger Panetta, Fordham University**

Title of the Curriculum – Preservation/Reuse/Recycle/Community

The Story of Southstreet Seaport

**1500-1700 – Dennis Suszkowski – Hudson River Foundation**

Title of the Curriculum – Managing the Estuary

**1900 Eve –Layout Discussion Plan for Module**

Movie – The History of Hastings

Journaling – group

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#### Friday 7/9/10 Transit to Yonkers & Back to Pier 40

**0800-1200 Meryl Nadel, Iona College, Vernon Brinkley, Groundwork Yonkers, Bob Walters, The Science Barge, Andy Gold, Iona College, Arielle Haupt, Greyston Bakery,**

Title of curriculum: Working with the local community on environmental education and sustainability, and social entrepreneurship

**1300-1700 – Bruce Jennings, Center for Humans & Nature, Meg Walker, Project for Public Spaces -**

Title of curriculum: Planning for the Revitalization of Hastings Waterfront –

Brownfield transformation - creating a sustainable community

**1900-- Eve – Transit, Wrap up Discussion**

Journaling - group

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#### Saturday 7/10/10 Travel Offshore - Rockaways

**0700-1100 Trawl & Plankton Tow - River Summer Staff & Boat Crew**

Activity: Trawling; Plankton tows, – managing our part in the coastal resources

**1200-1500 Dorothy Peteet, NASA GISS, LDEO –**

Title of curriculum: The Story of the Jamaica Bay Marshes – its changing face

**1530-1700 – Leonard Houston, Army Corps of Engineers, Patti Rafferty, National Parks Service**



Title of curriculum: The state of Jamaica Bay and the Reuse of dredge spoils to rebuild the Jamaica Bay marshes

**1900-2000 – Tim Kenna, LDEO**

Title of curriculum: Accounting for past use - Using XRF to determine contaminant history in soils

Journaling - group

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### **Sunday 7/11/10 Transit the waterfront**

**0800-1200 Henry Bokuniewicz, SUNY Stony Brook**

Title of curriculum: Dredging & Suspended materials in the river

**0800-1200 Transiting River Summer Staff & Boat Crew -**

Activity: Enterococcus & water samples

**0800-1200 Michael Koch – Marist College**

Title of curriculum: NYC Olympic Bid and accessibility & dependence on waterway transit

**1400-1700 –Kelsey Jordahl , Marymount Manhattan College**

Title of curriculum: Walking tour – local resources reflected in the building stones of New York City

**1900-2000 – James Van Nostrand, Executive Dir. Of Pace Energy and Climate Center**

Title of curriculum: Energy – the economics, policy and practice of our energy usage.  
Journaling - group

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### **Monday 7/12/10 Wrap up and Discussion**

**0900 - 1500 Module 1 participants final wrap up of project**

- Concluding Journal
- Sustainability Discussion
- Evaluation

1500 **Students depart**

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## **MODULE 2 - Piermont to Poughkeepsie -7/13-7/17/10**

*"The End of Nature" Bill McKibben*

Embark: Piermont Pier, Piermont

Disembark: Waryas Park, Poughkeepsie

### **Tuesday 7/13/10 Piermont**

**1000-1100 – Participants unload their gear on boat, Boat Capt. – brief orientation to the program goals and Journaling – Tim Kenna & Margie Turrin**

**1100-1400 - Margie Turrin, LDEO**

Title of curriculum: Palisades Interstate Park – A model for Conservation Efforts, Local Economics & Parks & Recreation Areas?

**1400 -1700 – Brent Turrin, Rutgers University**

Title of curriculum: The Palisades Sill – A Lynchpin in Geologic understanding, Local Geologic Resource, Economics – Tour of Tilcon Quarry in Haverstraw

**1800-BBQ on the pier**

**1900 Brent Turrin, Rutgers University**

Title of curriculum: Walk Through Time

Journaling – orientation & discussion layout group

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**Wednesday 7/14/10 Piermont to Dennings Point to West Point**

**0700-1300 Transiting the Highlands & River Summer Staff & Boat Crew -**

Activity: Enterococcus & water samples, core samples (plus 3 day trippers)

**Zodiac Into Dennings/Beacon Institute – Michael Heintzman & Regan Chichester**

**1300-1400 - Tour of Building One Beacon Institute**

**1400-1700 – Dave Strayer, Cary Institute of Ecosystem Studies**

Title of curriculum: Invasive Species – an ecosystem in transition

**1700 – 1800 Transit to West Point**

**1900-- Eve –Reading & Discussion**

Journaling - group

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**Thursday 7/15/10 West Point to Poughkeepsie**

**0900 - 1200 Greg Kaebnick, Nancy Berlinger, Karen Maschke - The Hastings Center**

Activity: The bio-ethics issues and sustainability

**1300 - 1400 Elizabeth Hutchinson, Barnard College - Transit on the river up to Beacon**

Title of curriculum: Cold Springs, Storm King, Foundry Cove - Art and industry across the history of Hudson River representation

**1400-1730 Elizabeth Hutchinson, Barnard College**

Title of curriculum: Transforming and industrial space with art – visit to DIA

**1730-1930 Theresa Senato Edwards – Marist College**

Title of curriculum: The river as inspiration - writing in place

**Evening –**

Journaling - group

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**Friday 7/16/10 –**

**0830-1700 - Tom Sarro, Mt. Saint Mary's College & The Mohonk Preserve  
Lucy Johnson, Vassar College**

Title of curriculum: Mohonk Preserve - how to balance a preserve, a research facility, an active recreation spot, and stewardship of the land or will one drive away the other?

**1900- 2000 –Reading & Discussion**

**Evening –**

Journaling – group

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**Saturday 7/17/10 –**

**0900 - 1500 Walkway Over the Hudson**

Title of curriculum: Walkway Over the Hudson - Transforming a blight/abandoned ruin into a central community feature –reclaiming for the community

**Module 2 participants final wrap up of project**

- Data – tree data and CTD data
- Concluding Journal
- Discussion
- Evaluation

**1500 Students depart**

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**MODULE 3- Poughkeepsie - Kingston – Catskill - Poughkeepsie 7/19-7/23/10**

***"Right Relationship" Peter Brown***

Embark: Poughkeepsie, Waryas Park

Disembark: Poughkeepsie, Waryas Park

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**Monday 7/19/10 –Poughkeepsie to Kingston**

**1000 Module 2 participants Arrive**

**Orientation by Boat Captain**

**Introduction to Journaling**

**1100- 1430 – Kathy Hattala, DEC Fisheries Unit , Brian Jensen, College of St. Rose  
- Fisheries Biologh & Managing our fishing resources**

Title of curriculum: Fisheries – trawling, seining

**1500 – 1700 Stuart Findlay, Cary Institute for Ecosystem Studies**

Title of curriculum: The changing role of the marshes in the Hudson River - and Sea Level Rise

**1700 Transit to Kingston**

**Evening – Discussion Layout**

Journaling - group

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**Tuesday 7/20/10 Kingston**

**0900-1700 – Steve Schimmrich – SUNY Ulster**

Title of curriculum: The Geologic resources of the Upper Hudson – Shale, Titanium, Cement etc. & the role in the Hudson Valley long term

**Evening – Two Square Miles – Movie of Hudson NY – view and discuss with Kingston leaders**

Journaling - group

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**Wednesday 7/21/10 Kingston**

**0900-1700 – Jennifer Schwartz Berky, Bard College (Steve Nobel and Forsyth Nature Center tour of the Kingston waterfront by kayak)**

Title of curriculum: Kingston tales of resistance and resilience & Climate Action Plan

**Evening – Discussion**

Journaling - group

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**Thursday 7/22/10 – Kingston to Catskills**

**0700 Transit to Catskill**

**0900-1300 Ted Eismeier, Hamilton College & Linda Mussman, TSL and Community Leader**

Title of curriculum: The story of St. Lawrence Cement Controversy - Hudson NY

**1200-1700 –Tim & Margie**

Title of curriculum: - Your home as an ecosystem - adapted from Alan Berkowitz - Cary Institute

**Evening –Discussion**

Journaling - group

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**Friday 7/23/010 Transit Catskill to Poughkeepsie**

**0900 - 1500 Module 3 participants final wrap up of project**

- Free write
- Concluding Journal

- Curriculum
  - Evaluation
- 1500 Students depart**

## Appendix III – River Summer 2010 call for faculty participation



Call for Interested  
Participants

River Summer 2010  
PLEASE JOIN US!



### NAVIGATING SUSTAINABILITY: THE HUDSON & BEYOND

WE ARE CURRENTLY ACCEPTING APPLICANTS TO PARTICIPATE AS STUDENTS,  
FACULTY AND FACULTY/STUDENTS

WE ARE ESPECIALLY INTERESTED IN INDIVIDUALS FROM DISCIPLINES  
INCLUDING ECONOMICS, ETHICS, HUMANITIES, THE SOCIAL SCIENCES.

**River Summer 2010 calls for an expanded participation – reaching beyond the physical sciences to broaden our discussions!**

The Hudson River, with its reaches, impacts, influences and connections, is far too large to be contained in one discipline. In order to explore the topics driving sustainability, we need to engage a wider group of educators. Over the past several summers, a unique learning/teaching environment has evolved out on the river. One important aspect is the discourse that occurs – lively, relevant, and engaging. Given this summer's connecting theme of sustainability, we want to make a special appeal to individuals from disciplines who work wouldn't necessarily take them out in the landscape (let alone a research vessel on the river!). We want to involve you in the conversation; we need to hear how economics, ethics, humanities, the social sciences weave through the workings of Hudson River.

Last summer, we explored history through the eyes of historians throughout the river – this summer our lens of navigating towards sustainability is much broader, and we need to connect to a much wider group of faculty. WE NEED YOUR HELP! PLEASE SHARE THIS CALL WITH YOUR COLLEAGUES THROUGHOUT YOUR UNIVERSITY.

This is a wonderful opportunity to move outside the 4 walls of your buildings and teach and learn on the Hudson River. Join us for this collaborative interdisciplinary chance to try new ideas, share insights, and re-energize your teaching! The program focuses on field based learning and active participation by the members. Educators take turns being students and teachers, learning and exploring new disciplines. Every day is fun filled and new and every evening is alive with conversation. Be a part of a dynamic learning community.

#### **Program for 2010 - Navigating Sustainability: The Hudson & Beyond**

To begin the summer planning River Summer and the Environmental Consortium co-hosted a panel discussion at the Earth Institute of Columbia University on the broader topic. We encourage you to view the archived presentation at:

**<http://www.earth.columbia.edu/videos/watch/212>**

Presenters included: Marilyn Power, Sarah Lawrence College, economics; Bruce Jennings, Center for Humans and Nature, bioethics; Patricia Culligan, Columbia University, civil engineering; Theodore Eismeier, Hamilton College, politics; and Meg Walker, Project for Public Spaces, architecture.

*Module* participants will stay on the boat - joining the ship at 10AM the first day and staying through 3PM on the 5<sup>th</sup> day. Each days will consist of programs taught by the faculty during the mornings and

afternoons, evenings will be focused on group discussions, and developing an online group journal and data analysis and interpretation. The final day will consist of a review and discussion of the activities covered during the module, evaluations, and assessment.

River Summer 2010 will tackle these big ideas and how they play out at the community level!

### **Who can apply?**

Open to Higher education faculty/Environmental Consortium member faculty ([www.environmentalconsortium.org](http://www.environmentalconsortium.org)). Past participants are welcome as space is available. You are our best advertisers, so please invite colleagues to consider participating. If you are not currently affiliated with the Environmental Consortium, encourage your home institution to join or join as an individual. If you know of Middle or High School teachers who might be interested in participating, please pass this along to them – if there is space available we would like to accommodate as many as possible.

Tim Kenna, Project Director and Margie Turrin, Project Coordinator will be present throughout the entire program.

### **How can I participate? – Every participant in the program contributes to the discussions and brings a new perspective and value to the overall program.**

Registrants can sign up to be teacher/student, student only, teacher only. Content will be based on submitted proposals with the goal of creating an interdisciplinary curriculum and on a balance of boat based and shore programs. A challenge this year will be translating the interesting topics related to sustainability into primary experience, hands on learning activities. Over the years, we have become fairly accomplished at this task – *if you have an idea, we can work with you to adapt it to our program.*

**Teacher/Student** - Individuals acting in the capacity of ‘Teacher/Student’ will commit to being present for one leg, housed on the R/V Seawolf; they will lead/teach a ½ day (3-4 hrs.) or 1-day (6-8 hrs.) programs to the group or lead a discussion. They will then act as a student for the remainder of the module.

**Student only**- Individuals acting in the capacity of ‘Student only’ will commit to being present for one module.

**Teacher only**- Individuals acting in the capacity of ‘Teacher only’ will commit to teaching a ca. ½ to 1-day program to the group; they will join the group the day of their program and depart in the evening or at the end of their session. This option allows us to involve more local participation and people who cannot commit to a full module.

### **Sign Up**

If you wish to be considered as ‘teacher/student’ or ‘teacher only’, please indicate on the form conceptual ideas for your proposed program. Please note that proposed program summaries are all that is required at this stage. We are always interested in connecting topics from one or more of our overarching themes and including one or more target skills, and taking advantage of Seawolf as a platform for activities. Inter-institutional teams are also strongly encouraged. If you have any questions about the program or the form below, please feel free to contact either Margie or Tim. We ask that you fill out the following page and email it back to Margie at [mkt@ldeo.columbia.edu](mailto:mkt@ldeo.columbia.edu).

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