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To: Dr. Sabah Randhawa, Provost

From: Michael E. Campana, Director

Re: 2006 Progress Report for Water and Watersheds Initiative

This document contains: 1) an outline of the progress of the Institute for Water and Watersheds (IWW), created by the Water and Watersheds Initiative (WWI); 2) plans for the next 12 months; 3) where the WWI will be at full maturity; 4) some simplified metrics; 5) other requested information; and 6) budget summary.

1) Accomplishments to Date

- Creation of Institute for Water and Watersheds as the vehicle for implementing the WWI, appointment of Executive Committee, establishment of Deans' Advisory Board
- Appointment of IWW Director (October 2005) and arrival on campus (1 June 2006)
- Establishment of Water Collaboratory (Gilmore 216) and appointment of 0.25 FTE Director (K. Motter)
- Appointment of 1.00 FTE Senior Research Assistant, Dr. Todd Jarvis
- Program in Water Conflict Management and Transformation (with COS) and "soft earmark" through Federal agenda
- Creation of TOWL – The Oregon Water List – listserv that has enhanced visibility of IWW and OSU (350+ subscribers) - and H2OSU Newsletter
- Sponsorship of seminar series, courses, workshops (PUB), conferences
- Assumption of the role of CWESr as the State Water Resources Research Institute (USGS grant program, etc.)
- Proposals submitted – 1) Establish 5th DOE Climatic Change Research Center (\$1M; unfunded); 2) NSF IGERT on Waterborne Pathogens (\$3.25M; pending; Kate Field [microbiology] – lead PI)
- Diversity and Excellence Fellowships

2) The Next 12 Months

- Develop Joint Northwest Water Institute – consortium of Pacific Northwest National Laboratory, Idaho National Laboratory, and OSU. Each institution will seek Federal agenda support.
- NSF Critical Zone Observatory (CZO) proposal. Team assembled, proposal development underway (due 1/2/2007). Amount: \$4.5M over 5 years.
- Find permanent home for Water Collaboratory
- NSF Major Research Instrumentation (MRI) proposal – support for Collaboratory
- Appoint External Advisory Board

- Work with OSUF to raise funds - capital campaign and support from private foundations for visiting/endowed professorships; fellowships; programs
- Seek private support for Pacific Northwest Hydrologic Observatory (PNWHO)
- International initiatives: 1) Possible UNESCO Center of Excellence at OSU – visit of Dr. R. Meganck, 6-7 November 2006; 2) CGIAR Challenge Program on Water and Food – visit of Marcia Macomber, December 2006; 3) others
- Co-Sponsor Snake/Columbia Basin Energy and Water Summit (with PNNL, INL, WSU, UI, UBC) – Spring 2007
- Develop sustainable funding model for the IWW
- Course development (e.g., “Introduction to Water” [eCampus])
- More Director “road trips”
- Inreach: on-campus visits, faculty meetings, etc.
- Pursue projects with Native Americans
- Develop alternative communications vehicles – blogs, podcasts, etc.
- Oak Creek placed-based learning center

3) *Maturity of the WWI*

- Sustainable funding for IWW
- Fully-functioning Water Collaboratory with suite of analytical equipment and 0.50 FTE Collaboratory Director
- Physical IWW “home” – workspace for students, visiting faculty, etc.
- Visiting professorships
- Endowed chair in water resources
- Operational responsibility for the Water Resources Graduate Program
- Endowed seminar series, fellowships, and scholarships
- Funded PNWHO
- Seed fund for research
- JNWI: well-established
- Linkages [joint programs] with PSU, OHSU, and UO, others
- Enhanced external funding for water research
- IWW: national/international reputation, synonymous with “water” at OSU

4) *Simplified Metrics*

Objective: Teaching, Research, and Outreach			
Metric	Indicator	Data Collection Method	Achievements
Interdisciplinary proposals, projects, courses, sponsored workshops	No. of courses	No. of Cat. I/II proposals	<ul style="list-style-type: none"> • Cat. II proposal for Socio-technical Aspects of Water Resources (WRP 599/524) • Cat II proposal for Water Conflict Resolution Certificate • Cat II proposal for Water Law and Policy
	No. of sponsored seminars	Seminars offered in OSU Catalog	

	No. of Newspaper/Newsletter articles	Newspaper/Newsletter Events	class with UO Law School
	No. of Workshops	Workshop Events	<ul style="list-style-type: none"> • Sponsored Fall, Winter & Spring Seminar series • IWW identified in <i>Eastern Oregonian</i>, <i>Hermiston Herald</i>, <i>Bend Bulletin</i>, Oregon Water Resources Congress newsletter, Reuters News Service • Predictions in Ungauged Basins (PUB) Workshop
Metric	Indicator	Data Collection Method	Achievements
New and increased recognitions of OSU water/watershed programs emphasizing Oregon	No. of projects in Oregon No. of conferences featuring IWW faculty and staff	No. of project awards for Oregon projects Listing maintained in H2OSU newsletter archive	<ul style="list-style-type: none"> • Five project awards for Oregon projects with the Institute for Natural Resources including Aggregate/Agriculture Consensus Group; Umatilla County Water Supply Planning and Outreach; Deschutes Water Alliance; Willamette Flow Management Recommendations <p>IWW staff presented at the following conferences: Groundwater Under the Pacific NW (Skamania, WA); National Ground Water Association (Atlanta); National Institutes for Water Resources (Washington, DC); Pacific Northwest section of the NGWA (Portland, OR); Negotiations, Dialogue and Perceptions in Transboundary Mgmt (Tokyo); Children's Clean Water Festival (Portland, OR); Association of Counties (Salem); Girls State (Salem); NATO-ASI (Bulgaria); NATO-ARW</p>

			(Kazakhstan); Ground Water Summit (San Antonio); World Water Week (Stockholm)
Objective: Innovative Educational Programs			
Metric	Indicator	Data Collection Method	Achievements
Evidence of interdisciplinary courses developed or taught	No. of courses No. of sponsored seminars	No. of Cat. I/II proposals Seminars offered in OSU Catalog	<ul style="list-style-type: none"> • Cat. II proposal to eCampus for Introduction to Water Science and Policy • Cat. II proposal for Socio-technical Aspects of Water Resources • Cat. II proposal for Water Conflict Resolution Certificate • Cat. II proposal for Water Policy and Law class with UO • Cat. II proposal for FE/WRS Seminar and Journal Club • Sponsored Fall, Winter & Spring Seminar series

Objective: Collaboratory for Water and Watersheds on the OSU Campus			
Metric	Indicator	Data Collection Method	Achievements
Quantity of Collaboratory water services	Nutrient analyses including 7 anions and 6 cations using IAC and AA	IWW website	<ul style="list-style-type: none"> • Chemist K. Motter hired • Lab set up in January 2006 • First services offered March 2006
Quantity of Collaboratory facilities	Equipment and Location	IWW website	Room 206, Gilmore Hall
External funding supporting Collaboratory	No. of Analyses	Invoice Records	884 total analyses for total charges of \$4900 from College of Forestry and Dept. of Geosciences.

5) Other Requested Information

- Director’s “road trip” in August 2006 – introduced IWW to “water people” (journalists, consultants, irrigators, environmentalists, regulators, agency workers, legislators, other stakeholders)
- Director’s meetings with Governor’s Natural Resources Cabinet and with various groups/agencies – Oregon Water Resources Congress, The Nature Conservancy, Linn Soil and Water Conservation District, Oregon Ground Water Association, Oregon Water Resources Department, Willamette Channel Maintenance Group, et al.
- Hosted dinner with IWW faculty, OSU Extension, students on 20 September – closer ties between IWW and Extension (annual event?)
- Highly-visible projects with The Nature Conservancy and USACE – Willamette Flow Management Project (making flow recommendations) and Umatilla County Critical Groundwater Basin Task Force
- Director Membership on NAS *Committee on Hydrology, Ecology, and Fishes of the Klamath River Basin*. This is a highly-visible position addressing an issue that is, in many ways, the “poster child” for water conflict in the Western USA
- OSU’s already strong reputation in water and related disciplines is being enhanced – “one-stop shopping” for water issues, problem-solving, information
- IWW facilitating submission of interdisciplinary and multidisciplinary proposals

6) Budget Summary

See Excel spreadsheet.