Boykin Witherspoon III
Executive Director, WRPI
Director of Programs, WRI CSUSB

Julie Lappin
Program Manager, WRI CSUSB

For this afternoon:
• Who Am I

• WRPI Activity

• WRPI Initiatives
Master Landscape Architecture
6 Years with ESRI
The San Bernardino-East Aerial Photos

The San Bernardino East area is located in the foothills of the San Bernardino Mountains, near the San Gregorio Wilderness area in San Bernardino County. The San Bernardino East is approximately 80 miles inland from the Pacific Ocean.

The San Bernardino East area is part of the Santa Ana Watershed. Metadata further describing the images. Detailed analysis of the pictures was arranged through the CSUSB WRI at (909) 537-7600. If you are in need of disability in order to view or understand the following images, please call for assistance.

The WRI is an outreach partnership between CSUSB and the Southern California Water Resources Institute, driven by the vision that sustaining water resources rests on the foundation of science and public policy collaboration. The Historical Aerial Photo Collection is comprised of images of Southern California beginning in the 1950s. The geographic areas include much of Southern California from deserts to the Pacific Ocean. The images in these flights are from the Joseph Andrew Rowe Water Resources Archives and represent various collections that are held by the Archives.
<table>
<thead>
<tr>
<th>Position</th>
<th>Institution</th>
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<tr>
<td>Executive Director</td>
<td>CSU Employee from 2006</td>
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<tr>
<td>Director of Programs</td>
<td>Water Resources and Policy Initiatives</td>
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<tr>
<td>Water Resources Institute</td>
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<tr>
<td>Director, Center for Geographic Information Science Research</td>
<td>CAL POLY POMONA</td>
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<tr>
<td>Lecturer, Dept. of Landscape Architecture</td>
<td>CAL POLY SLO</td>
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Worked with Cal EMA and DWR / FEMA
Coastal Development and Oil Spill
ESI Mapping Standards and Protocols

Final Nigeria OPTS
March 2002

Prepared for:

Oil Producers Trade Section (OPTS)
Lagos Chamber of Commerce
Chevron Nigeria Limited
2 Chevron Drive
Lekki Peninsula, PNB 12825 Lagos
NIGERIA

Prepared by:

ESRI
380 New York Street
Redlands, California 92373-8100

Environmental Resource Managers Ltd.
Plot 107A Imam Abibun Adetoro Street
Off Ajose Adeogun Street
Victoria Island, Lagos
NIGERIA
Water Infrastructure Management
Policy and Regulatory Experience

- The NEPA BOOK: A step-by-step guide on how to comply with the National Environmental Policy Act
- Guide to CEQA: California Environmental Quality Act
Policy and Regulatory Experience
WRPI Activity
WRPI Internship Program

Program Specifics

• Objective: Increase awareness, retention, and graduation rate of qualified underrepresented CSU students, leading towards USDA career attainment
• Experiential approach to learning in the field of watershed management
• 50 Interns placed per year
• Total Salary: $4,500
  – Undergraduate - $12.50/hour
  – Graduate - $15/hour
• Up to $560 for approved supplies and/or mileage reimbursement
• $40,000 scholarship for pursuit of Ph.D. in USDA relevant discipline
• Accepting applications for Year 3 now through October 1, 2013
WRPI Internship Program

Examples of Projects:
• CSUB San Joaquin Valley Paleoriver Discharge Record
• Community Outreach and Draft Watershed Improvement Plan for Regional Stormwater Program
• Riverine Surface Water Quality Monitoring
• Aquifer Recharge Project and Wireless Irrigation Network Project
• Effects of Nutrient Loading on Water Quality in San Diego Reservoirs

Examples of Host Organizations:
• 14 CSU campuses
• USDA
• California Fish & Game
• RCD Santa Cruz County
• San Dieguito River Park
• Ventura Coastkeepers
• Tuolumne River Trust
• Monterey Co. Water Resources Agency
WRPI Internship Program Resources

Total Interns Placed to Date: 100

Total Funding Received to Date: $1,050,695

Amounts to CSU Partners:
- Bakersfield $60,075
- Channel Islands $6,675
- Fresno $73,425
- Fresno (subaward) $51,744
- Los Angeles $35,348
- Monterey Bay $200,250
- Northridge $44,040
- Pomona $33,375
- San Bernardino $42,119
- San Diego $66,750
- San Marcos $55,487
- Stanislaus $60,075

Total paid: $729,363

Over 69% of the dollars received go directly to the campus partners for students.
WRPI Internship Students
WRPI USDA RUS Research

USDA Rural Utilities Services Grant $150,000, one year

3 Detailed DAC Studies – CSU CEU Course Material

CSU Fresno and CSUSB
WRPI STEAM and DOE MSEIP Proposals

USDA STEAM
$200,000 for 4 years
CSUSB, Cal Poly Pomona, CSU Fresno
Adds Ag to STEM
Similar to current USDA
New Concept Single student multiple years
  First year with a professor
  Subsequent years off site internship

DOE MSEIP
$250,000 for 3 years
New Concept Single student multiple years
  First year with a professor
  Subsequent years off site internship
WRPI Initiatives
California’s oft maligned, oddly beautiful and downright weird salton sea
WRPI California Project Based Research
WRPI Water Education (MWD)
WRPI MOU and Cooperative Agreements
WRPI MOU and Cooperative Agreements
Thank you very much...

Boykin Witherspoon III
Executive Director
CSU Water Resource & Policy Initiative
Director of Programs
Water Resources Institute
Cal State San Bernardino