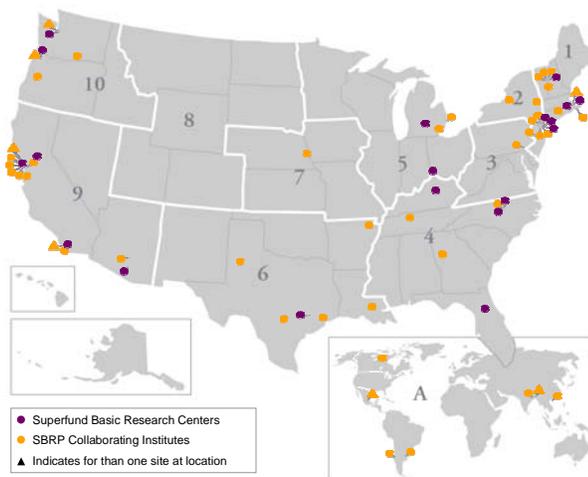


## Superfund Basic Research Program: Linking Emerging Technologies to Site Applications

June 28, 2004

Beth Anderson  
Program Analyst  
NIEHS

### SBRP = University-based grant program



19 multi-project grants:  
~ 200 projects and cores  
~ 800 investigators and  
students

*Special features:*

- > interdisciplinary research to address the problems at hazardous waste sites
- > biomedical and non-biomedical research
- > Includes research in site characterization, ecology, epidemiology, toxicology, molecular biology, hydrogeology, engineering and soil science

## Basic Research

A central premise of the SBRP is that there is a link between chemical exposure and disease outcome, and that understanding/identifying this link will help to establish new or improved prevention/intervention strategies.

- The evolution and maturation of hypothesis-driven basic research leads to increased opportunities for the translation of results into applied, "product-oriented" research directions.
- The knowledge gained through these efforts, ultimately, should reduce the burden of human illness and dysfunction from environmental causes.

***Basic research does have application!!!***

## Today's Presentations:

K.C. Donnelly, Texas A&M

*Integrating Biological and Environmental Endpoints in Site Characterization*

Michael Dennison, University of California, Davis

*Detection of Halogenated Dioxins and Related Chemicals: Development, Validation and Application of A Novel Dioxin Cell Bioassay for Site and Sample Characterization*

More Information on the SBRP:

Visit our Poster!!!



Visit our Website:  
<http://www-apps.niehs.nih.gov/sbrp/>



Contact Us!!!

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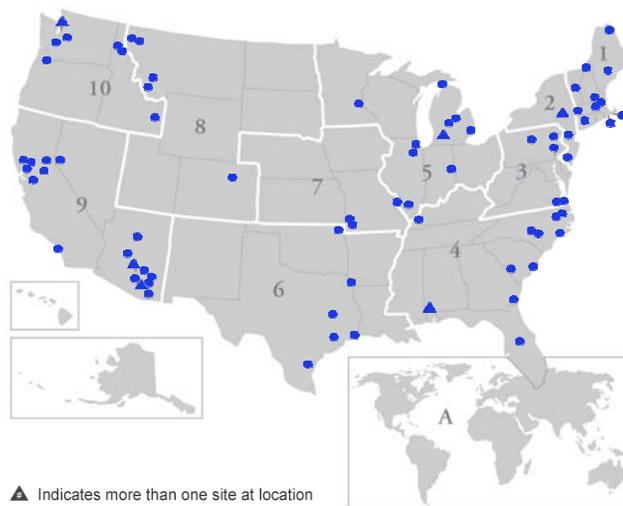
### SBRP Mandates

The mandates specified in SARA describe the SBRP's primary objectives to the development of:

- Methods and technologies to detect hazardous substances in the environment
- Advanced techniques for the detection, assessment, and evaluation of the effects on human health of hazardous substances
- Methods to assess the risks to human health presented by hazardous substances
- Basic biological, chemical, and physical methods to reduce the amount and toxicity of hazardous substances

NIEHS believes it is important for the SBRP to maintain constant communication with its stakeholder communities to ensure that it is fulfilling these goals

### SBRP Activities at Superfund Sites



## SBRP: Enhancing Partnerships

### Conferences

- SBRP Annual Meeting
- Research Conferences
- EPA Risk Assessors Meetings
- TOSC/TAG Meetings

### Electronic Tools

- Risk-e-Learning with TIP
- Monthly Research Briefs
- SBRP Web Page

### Staff Activities

- Committees
- Reviewers
- Regional office site visits
- EPA forums

### Special Projects

- FY 2003 External Advisory Group
- Technology Transfer Initiative with ORD
- Outreach – proposing a joint workshop

Thanks Betsy,  
Thanks Jayne

## Examples SBRP Grantee Partnerships

### Routine meetings

- Seminar Series in Region 1
- Quarterly meetings with Risk Assessors Region 6

### Working at Superfund sites

- wildlife biomonitoring at Anaconda

### Joint conferences

- Emerging Scientific Issues for Superfund

### Participants in Committees:

- EPA Science Advisory Board on \_\_\_\_
-

