



NIEHS Superfund Research Program- University of Washington and Beyond

Department of Environmental and Occupational Health Sciences

CHE-WA Children's EH Working Group

February 13 2014



SRP Mandates under SARA

*University-based basic research program established in 1986
under the Superfund Amendments Reauthorization Act (SARA)*

HEALTH EFFECTS

Development of: Advanced techniques for the detection, assessment, and evaluation of the human health effects of hazardous substances

ASSESSING RISK

Development of: Methods to assess the risks to human health presented by hazardous substances

DETECTION

Development of: Methods and technologies to detect hazardous substances in the environment

REMEDIATION

Development of: Basic biological, chemical, and physical methods to reduce the amount and toxicity of hazardous substances

SRP Stakeholders

Sister Superfund Programs:

- US Environmental Protection Agency (EPA)
- Agency for Toxic Substances and Disease Registry (ATSDR)

Others: federal agencies, state, local, and tribal entities responsible for sites; individuals and communities living near hazardous waste sites

Superfund Research Programs and research compounds

(dated circa 2008)

Boston University	<i>PCE, phthalates, estrogens, dioxins</i>
Brown University	<i>Metals, nanoparticles, hexavalent chromium</i>
Columbia University	<i>Arsenic, manganese</i>
Dartmouth College	<i>Mercury, arsenic</i>
Harvard School of Public Health	<i>Lead, manganese, arsenic</i>
Louisiana State University	<i>Airborne pollutants, nanoparticles</i>
Michigan State University	<i>Dioxins, bisphenyl, PCBs, PAHs</i>
New York University	<i>PAHs, metals</i>
Oregon State University	<i>PAHs</i>
University of Arizona	<i>Arsenic, chlorinated solvents</i>
University of California-Berkeley	<i>Arsenic, mercury, PAHs, TCE</i>
University of California-Davis	<i>Benzene, PAH, mercury, arsenic</i>
University of California-San Diego	<i>Cadmium, zinc, lead, mercury, arsenic</i>
University of Iowa	<i>PCBs, TCE</i>
University of Kentucky	<i>PCBs, TCE</i>
University of North Carolina	<i>Mercury, arsenic</i>
University of Washington	<i>OPs, manganese, copper, cadmium, VOCs</i>

UW-SRP research theme

Effects-related biomarkers of environmental neurotoxic exposures

The program supports:

- five ongoing scientific research projects environmental and biomedical and bioinformatics support core
- Community engagement support for community needs,
- Communication and translation of scientific findings to stakeholders including government agencies



Community Engagement Core Function

To enhance knowledge exchange and to support community needs with regard to the science emanating from the Center

Target communities

SRP defines target communities as those impacted by sites contaminated with hazardous substances.

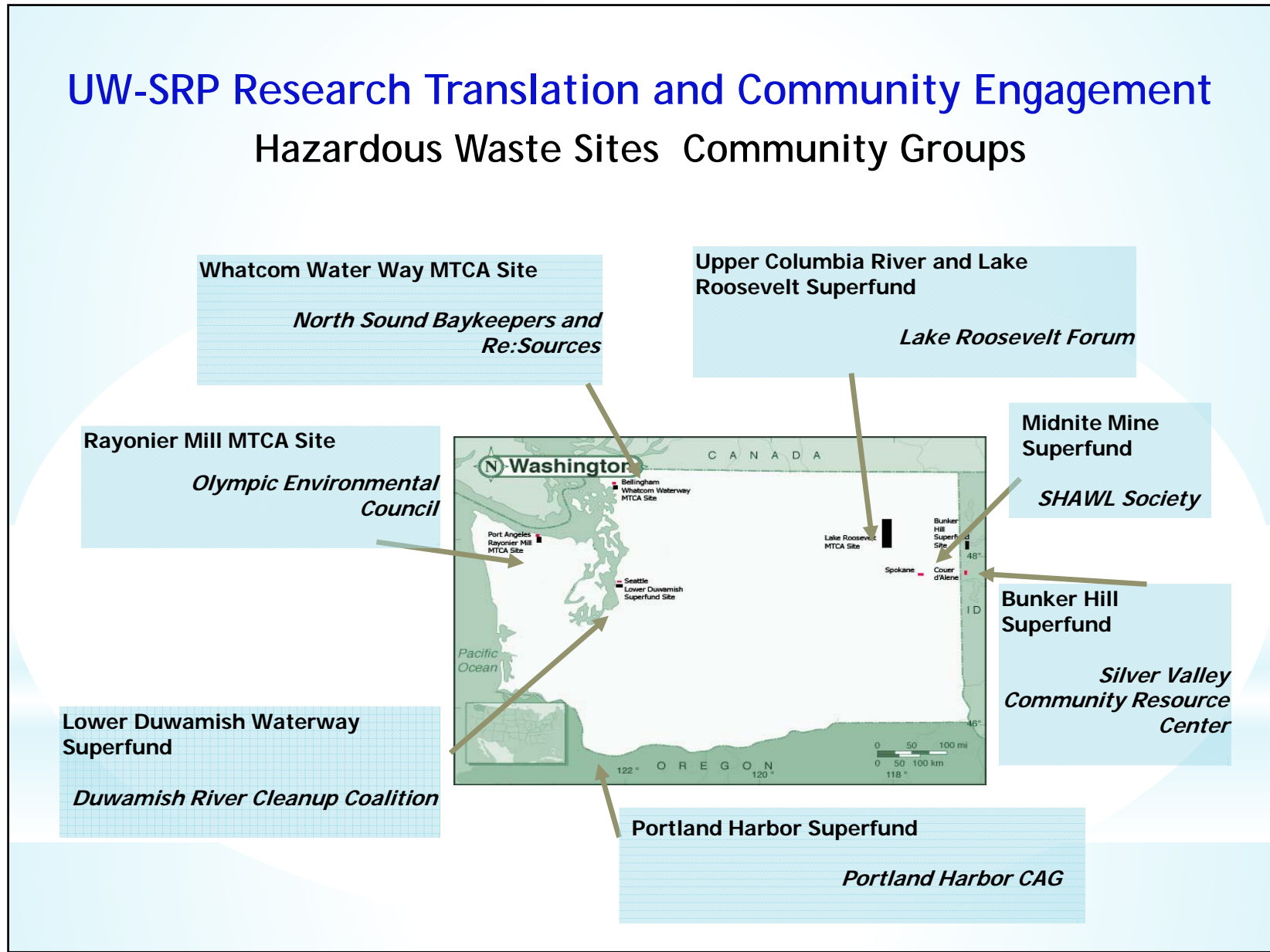
Members of the affected community
may also include:

local government, tribal councils, community service
groups, non-governmental organizations



UW-SRP Research Translation and Community Engagement

Hazardous Waste Sites Community Groups



UW-SRP Research Translation and Community Engagement

Northwest Toxic Communities Coalition

Goals

connect with and empower communities impacted by toxic waste

share resources, information, and strategies

enhance community involvement and increase access to information and decision-making

support for toxic clean up efforts throughout the northwest states..



Organized in 2005

Annual Summits

Awarded over \$20,000 in grants

Comprised of 40 community organizations

EPA conference presentations in 2008-09

2012 Northwest Regional Outdoor Air Quality Workshop for Communities- w/EPA and UW-SRP





UW-SRP history CHE-WA

grant and departmental ties to PEHSU

agency partners and serving community interests (EPA CIC conferences)

Washington Physicians for Social Responsibility

NIEHS SRP webinar, national CHE-featuring programs from BU, LSU, ASU