



Anchorage

## NEWS RELEASE

**CONTACT:** Susan Kemp  
[susan.kemp@hartcrowser.com](mailto:susan.kemp@hartcrowser.com)  
Public Relations  
Hart Crowser, Inc.  
(206) 324-9530

**FOR IMMEDIATE RELEASE**

Edmonds

### **HART CROWSER WELCOMES PH.D. HYDROGEOLOGIST/GROUNDWATER COMPUTER MODELING EXPERT**

Portland, OR (February 27, 2007)—Doug Cosler, Ph.D., P.E., has joined Hart Crowser's Portland office. With 30 years of experience, Cosler is a senior hydrogeologist and environmental engineer who has managed numerous groundwater projects with complex environmental contamination issues. He has completed projects at landfills, manufactured gas plants, wood-treating facilities, chemical plants, water supply well fields, gasoline and fuel oil storage/delivery facilities, nuclear waste disposal sites, hazardous waste incinerators, and mining operations.

Portland

Cosler has recently completed leading research regarding dense fluid movement in groundwater environments (e.g., treatment fluids used for subsurface remediation). He designed computer modeling software that surpasses all previous models because of its ability to perform field-scale simulation in three dimensions, while still providing high resolution and accounting for small-scale variations in aquifer properties. The computer program also allows for significantly more detailed simulation of salt water mixing with fresh water, which is a growing problem for drinking water supplies. His work will have groundbreaking implications on projects involving water supply, environmental restoration, geothermal energy development, and petroleum recovery.

Seattle



Cosler has also compiled and published new findings on better groundwater sampling techniques and water quality variations that occur during well sampling. The results will lead to more accurate groundwater measurements and improved well designs. This will impact projects involving environmental restoration and water supply.

Cosler holds a Ph.D. in hydrogeology and hydrology from The Ohio State University, a C.E.D. (environmental engineering) from the Massachusetts Institute of Technology (MIT), and an M.S. and B.S. (summa cum laude) in civil and environmental engineering from The Ohio State University.

Hart Crowser is a 110-person employee-owned environmental and engineering consulting firm headquartered in Seattle, with offices in Edmonds, Washington; Portland, Oregon; and Anchorage, Alaska. The firm specializes in environmental and geotechnical engineering, natural resources, and environmental remediation technologies. Corporate offices are located at 1910 Fairview Avenue East, Seattle, Washington 98102; telephone (206) 324-9530 and fax (206) 328-5581. Visit the firm's website at [www.hartcrowser.com](http://www.hartcrowser.com) for more information.

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