

## **BIOGRAPHICAL SUMMARY**

**Tim Welp**

**Research Hydraulic Engineer**

**U.S. Army Engineer Research and Development Center**

**Vicksburg, MS**



Tim Welp earned a Bachelor of Science degree in Mining Engineering from the University of Wisconsin – Platteville in 1984 and a Master of Science degree in Ocean Engineering from Florida Institute of Technology (FIT), Melbourne FL in 1989. He worked in a 4,000 ft deep underground coal mine and then an open pit gypsum mine before coming to the Engineer Research and Development Center (ERDC) in 1990, and has worked on dredging R&D projects since then as a Research Hydraulic Engineer. His primary areas of research activity concern prototype data collection/analyses and dredging research projects investigating dredging and dredged material placement aspects. These activities have included dredging equipment optimization, environmental impacts of dredging, production estimation and analyses, and beneficial uses of dredged material. He is active in providing technical support to field projects in U.S. Army Corps of Engineers (USACE) Districts, Divisions, and Headquarters, and other organizations. These activities have been supported by programs within the USACE; the U.S. Army, Navy, and Department of Defense; the U.S. Environmental Protection Agency; World Bank, and the private sector.

He is currently the Team Leader of the Dredging Operations Environmental Research (DOER) program Dredged Material Management Focus Area, overseeing and participating in broad areas of research investigating means to enhance Corps management of dredged material. Over the last 20 years, he has published more than 30 publications related to dredging and dredged material management research and development including editor and principal author of two chapters of the new Dredging and Dredged Material Management Engineer Manual 1110-2-5025. He is an active member of the Western Dredging Association (WEDA), the World Association for Waterborne Transport Infrastructure (PIANC), and the Coasts, Oceans, Ports and Rivers Institute (COPRI) of the American Society of Civil Engineers. Mr. Welp is currently serving as Committee Chair of the COPRI Waterways Committee, and on the editorial board for the WEDA *Journal of Dredging Engineering*.