

NAME: CHADER, SHANON A.

JOB TITLE: Chief, Coastal/Geotech Team - CIVIL/COASTAL ENGINEER

DUTY STATION: Coastal/Geotechnical Engineering Section, CELRB-TD-DC Buffalo District,
email: shanon.chader@usace.army.mil, (716)879-4188, FAX: (716) 879-4355

EDUCATION: B.S. Civil Engineering – SUNY at Buffalo, June 1994
Corps Diver Safety Certification – September 1997 – Key West, FL
M.E. Construction Engineering – SUNY at Buffalo, September 1999
M.E. Ocean Engineering – Texas A&M University, August 2000

PROFESSIONAL REGISTRATION: P.E. License 079869– NYS July 2002

PROFESSIONAL SOCIETY MEMBERSHIPS: S.A.M.E.

WORK EXPERIENCE WITH THE CORPS: 20 Years, 13 Years in Coastal/Geotech

OTHER DISCIPLINES PRACTICED: Geotechnical Engineering, Structural Engineering, Surveying, Water Control, Hydraulics/Hydrology, Cost Engineering, Construction Operations, Project Management, Emergency Management, and Disaster Recovery Duties with the SSA/PRT Team. Urban Search & Rescue – Structural Specialist

PREVIOUS PROJECTS AND RESPONSIBILITIES/SKILLS: Serve as a Civil/Coastal engineer in the Coastal/Geotechnical Section. Lead Designer or member of a Design Team that contributed to various coastal and non-coastal projects over the past 18 years. Projects worked on include Cleveland East Breakwater, OH major breakwater rehabilitation project, Presque Isle, PA, beach restoration project, Flagship Niagara Berthing and Rochester Wave Surge Reduction Project- navigation improvement projects. Other projects include erosion control at Geneva Township Park, OH, Geneva-on-the-Lake, OH, Old Lakeshore Road, NY, Vermilion, OH, Little Sodus, Great Sodus, Athol Springs, NY, and Albion WTP, NY. Advance Measures Flood Control Projects include (Ohio – Crystal Rock, Whites Landing, Wightmans Grove, Oak Harbor, Oregon, Pennsylvania, Presque Isle, New York – Blasdell Creek, Vanburen) Chicago Shoreline Protection Project, IL. Sheldon Marsh Environmental Restoration, Ottawa River bank stabilization, Marina entrance design, Mentor-on-the-Lake and Walnut Creek. Major responsibilities include but are not limited to beach/shoreline erosion control projects, shoreline/flood control projects, small boat harbors and navigation projects, breakwater repair projects. Also provide design support to senior geotechnical engineers and District geologist through foundation, rock, and soils studies, and analyses, other sections as workload permits, as well as interacting with State, Local and other Federal agencies.

Proficient in Microstation CAD, Microsoft programs (Excel, Word), as well as various technical and non-technical software. Worked in support of the Jacksonville District on the Portugues Dam Foundation Grouting Project for 5 months (between June 1996 and May 1998). 40-hour HTRW Certified (inspected lead based paint removal – Black Rock Lock miter gates). Member of the Structural Safety Assessment Team and District First Aid Team.

<u>DIVE TRAINING:</u>	Open Water Certification (PADI)	–	July 1996
	Corps of Engineers Diver Safety	-	September 1997
	Hard Hat Diver		
	Advanced Open Water (NAUI)	-	September 1997
	Night Diver (NAUI)	-	September 1997
	Deep Diver (NAUI)	-	September 1997
	Dry Suit Diver (NAUI)	-	September 1997
	Search & Recovery Diver (NAUI)	-	September 1997
	SCUBA Rescue Diver (NAUI)	-	September 1997
	Master Scuba Diver (NAUI)	-	September 1997
	NITROX Diver Certification (IANTD)	-	September 1997
	Coral Rescue/Propagation (REEFBALL)	-	October 2003
	Maiden Island Project, Antigua		

DAN O₂ Training

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February 2003

The majority of dive experience was obtained in the Great Lakes Region (freshwater). Though conditions have improved in recent years, most dives are/were conducted in very low to zero visibility.

Dive work includes:

- Boat/ship hull inspections
- Structural inspections of docks
- Structural inspections of harbor/marina facilities
- Structural inspection of lighthouse facilities
- Structural inspection of Lock facilities
- Search, survey, and recovery dives.
- Underwater construction of dive platforms
- Coral Rescue/Propagation (Antigua)

STRUCTURAL SAFETY ASSESSMENT – PLANNING AND RESPONSE TEAM:

Currently a member of the SSA-PRT Team for the Buffalo District, responsibilities include performing Training Officer, Mission Manager, Mission Specialist, Site Inspection Team Leader, and Team Leader duties. Recent experience includes Hurricane relief work in Louisiana for 5 Parishes. Also a member of the Corps Urban Search and Rescue Structural Specialist Team.