

US ARMY CORPS OF ENGINEERS, NORTH ATLANTIC DIVISION

SAME Philadelphia

26 January 2021



US Army Corps
of Engineers®





NORTH ATLANTIC DIVISION



Overview

- 1 of 9 regional business centers, consisting of 6 districts that plan, design, build, operate and maintain military and civil works projects and facilities within the region, Europe and Africa
- Projects address the environmental, infrastructure, and water-resource challenges within the region

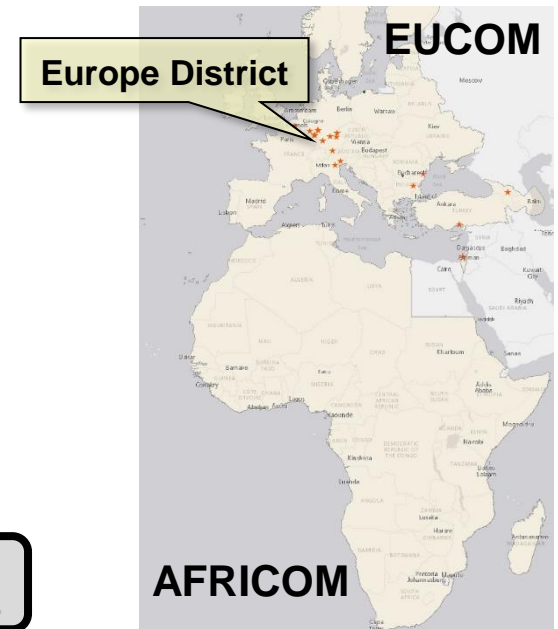
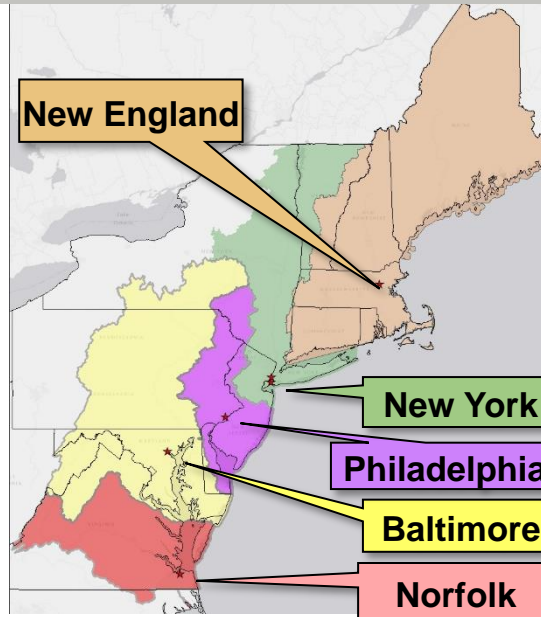
The Numbers

- 23% of U.S. population (72 M)
- 25.6% of U.S. coastal tonnage
- 3,300 employees
- 50 Army, 13 USAF installations
- 2,685 miles of navigation channels
- 650+ miles of levees/channels
- 8 major ports and Port Authorities
- 3 hurricane barriers and 8 high-level bridges
- 55 dams; 4 canals; 4 locks
- Supports: 3 GCCs, 3 FEMA Regions, and 3 EPA Regions
- Aligned w/ Regional Fish & Wildlife Service

Division Capabilities

- Master Planning, Sustainability
- Construction Management
- Engineering, Design, Inspection
- Dredging, Operations & Maintenance
- Disaster Response & Recovery
- Environmental Services
- Real Estate Services
- Estimating, Value Engineering
- Coastal Storm Risk Management
- Modeling
- Independent External Peer Review
- Reach-back Capability

Support to the Nation



Vision: A World Class Engineering organization, renowned for its Professional Workforce and a Reputation staked on Program Delivery and reliable Partnerships.



WHO WE ARE



PEOPLE: Resilient and innovative workforce – continued to deliver the program while also responding to COVID mission, leveraging creative ways to deliver solutions in a virtual environment.

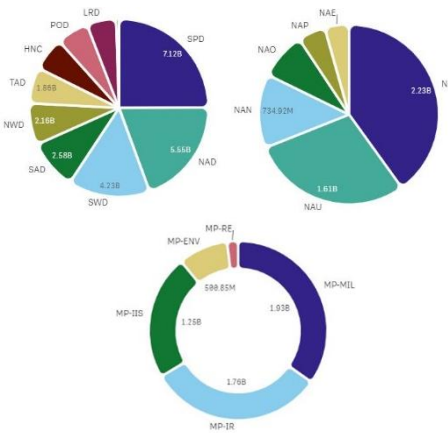
READINESS: Disciplined program delivery, leveraging a “back to basics” approach with focus on leading indicators, data-based decision-making, and quarterly governance (captured in annual Command Guidance). Support to EUCOM, AFRICOM, DOS w/ NAU, LNOs, IIS Team integrating the USACE enterprise to our National Security Strategy.

PARTNERSHIPS: Strong collaboration at every echelon within the region with external stakeholders, sponsors, regulatory agencies, ports and industry. Great relationships with neighboring MSCs to deliver consistent regional solutions.

REVOLUTIONIZING: Consistently seeking to streamline processes and “power down,” leveraging experience to provide feedback through the vertical team on continued areas for improvement.



Military Programs, Interagency and Environmental Portfolio



Military Programs (CONUS)

- Large, Complex, Sustained, Diverse Portfolio of Projects and Stakeholders
- FY20-24, Total \$8.6B or ~\$2B per year
- Army: FY20-24 \$1.3B
 - Engineering Center, USMA - \$197M
 - Cadet Barracks Program, USMA (SRM) - \$249M
 - General Instruction Bldg., Carlisle Barracks - \$98M
- Air Force: FY20-24 \$745M
 - MIT/LL Facility, Hanscom - \$225M
 - F-22, JBLE - \$186M
- DOD Medical: \$1B
 - USAMRIID, Ft Detrick - \$677M
 - Public Health Center, APG - \$249M
 - Hospital Add/CUP, JBLE - \$41M
- NSA (East Campus Build Out): Total Program \$5B
- Other DOD (DLA, SOCOM, WHS): FY20-24 - \$505M
- Installation Support:
 - 50 Army; 13 Air Force Installations
 - Execute 20% of USACE Portfolio: ~\$1B per year
- Real Estate: (Recruiting Facilities, Army National Program, RCI)

Environmental Services

- Supporting 13 Environmental Programs – MIL, CW and IIS
- Wide array of acquisition & SME resources to support the Region
 - HTRW Design Centers (NAB & NAE)
 - Munitions Design Center (NAB)
 - Groundwater Modeling RCX (NAP & NAE)
 - Radiological RCX (NAB)
- Largest Env Program by Obligations in USACE (\$425M/year)

Interagency Services

- Supporting 17 Federal, State and Local Agencies
- Large and Complex Programs/Projects with Regional and Enterprise Involvement
 - ANC Southern Expansion
 - Bureau of Engraving and Printing (BEP)
- Execute within our Stakeholder's Business Model
- Obligating \$190M/year



1 SM-1 Fort Belvoir DNPPP



2 Spring Valley FUDS



3 ANC Southern Expansion



4 Bureau of Engraving and Printing (BEP)



5 USAMRIID, Ft Detrick

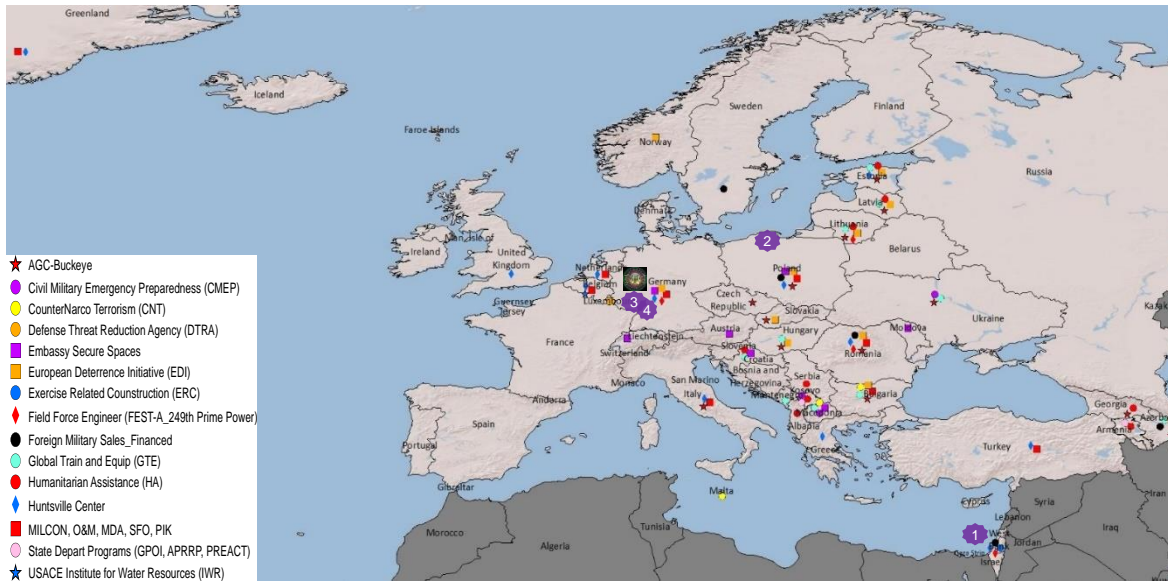


6 Engineering Ctr, USMA



USACE Activities in Europe

Support to EUCOM: MILCON, Building Partner Capacity, Humanitarian Assistance, Foreign Military Sales, Science & Technology, Water Security.



1 FMS Hardened Aircraft Shelter, Israel



2 Aegis Ashore Missile Defense Site Redzikowo, Poland



3 ROBMCR, Germany



4 Kaiserslautern High School, Germany

Military Programs

- Vast Area Of Operations
- Unique Acquisition Requirements: (ABG75: Indirect with Germany)
- 2808 Deferments - \$1.13B (37 Projects)
- EDI (Army & Air Force) - \$2B (\$1.3B without 2808 deferments)
- DoDEA Schools: \$1.555B
 - 21 Century Design
 - 11 Complete, 6 Construction, 10 Design
- DOD Medical:
 - Rhine Ordinance Barracks Medical Center Replacement (ROBMCR) - \$1.213B
- Army Family Housing:
 - Baumholder - \$221M; Vicenza - \$359M
- NATO Security Investment Program (NSIP):
 - LTESM - \$406M (cost shared) NSIP Portion - \$319M

International Services

- MDA Poland
 - Aegis Ashore tracking towards JOD (Spr '21); BOD (Sum '21)
 - Navy Support Facilities completed and turned over
- Security Cooperation/Assistance
 - Construction Programs - low in monetary value but extremely valuable to building partner capacity, strengthening Host Nation partnerships and achieving EUCOM's theater effects.
 - Design & Construction Execution Challenges
 - Adhering to National Construction Laws
 - Economic Volatility - Currency fluctuations in all Countries
 - Construction in remote countries
- Poland Enhanced Defense Cooperation Agreement (EDCA)
 - Supporting EUCOM, SCCs, SOCEUR and US Embassy with planning, prioritization and Implementing Arrangements
- Israel
 - FMS Construction Integral to Israel Defense Planning
 - Over \$1.5B in signed Letters of Offer and Acceptance (LOA)
 - Approximately \$100M in obligations annually

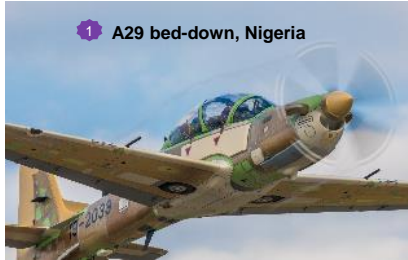


USACE Activities in Africa

Support to AFRICOM: Building Partner Capacity, Humanitarian Assistance, Foreign Military Sales, Science & Technology, Water Security.



2 Singo Camp Classroom, Uganda



1 A29 bed-down, Nigeria



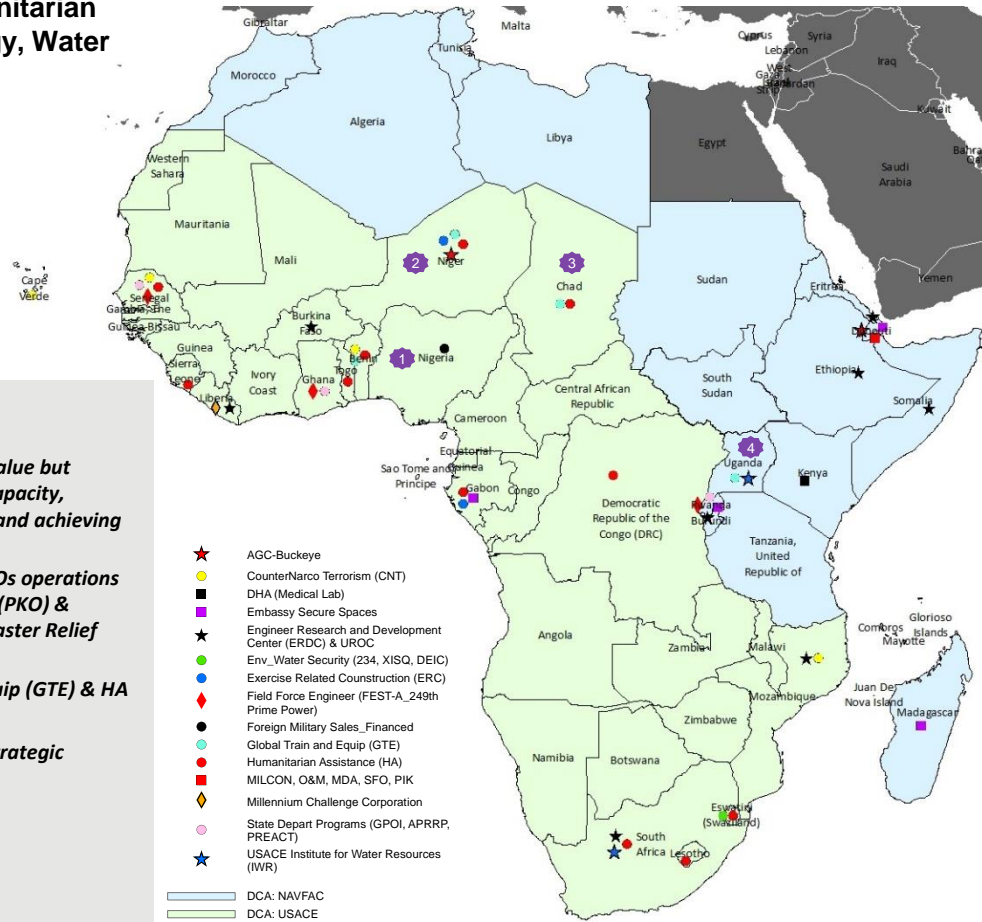
3 Log Warehouse/Secure Storage, N'Djamena, Chad



4 Logistics Warehouse, Niger

International Services

- Security Cooperation/Assistance
 - Construction Programs - low monetary value but extremely valuable to building partner capacity, strengthening Host Nation partnerships and achieving AFRICOM's theater effects
 - Program Focus: ENABLE counter VEOs operations & BUILD Peace Keeping Operations (PKO) & Humanitarian Assistance (HA) / Disaster Relief (DR) capacity of African Partners
 - Major Programs: Global Train & Equip (GTE) & HA
 - FMS Nigeria A29 Bed-down
- Enhancing Regional Relationships through Strategic Engagements
- Challenging Construction Environment
 - Tyranny of Distance; Difficult to Access
 - Limited Utilities
 - Security Concerns
 - High Risk for Construction

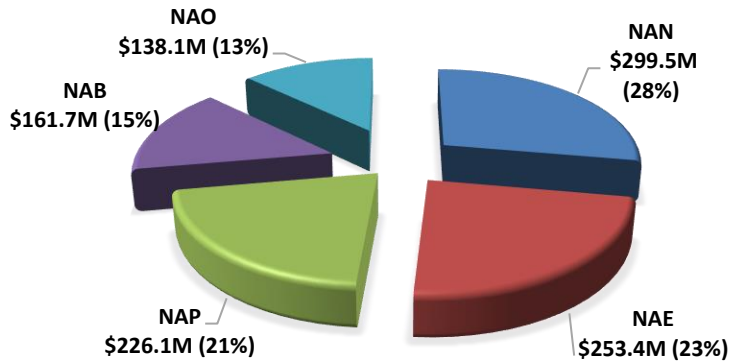




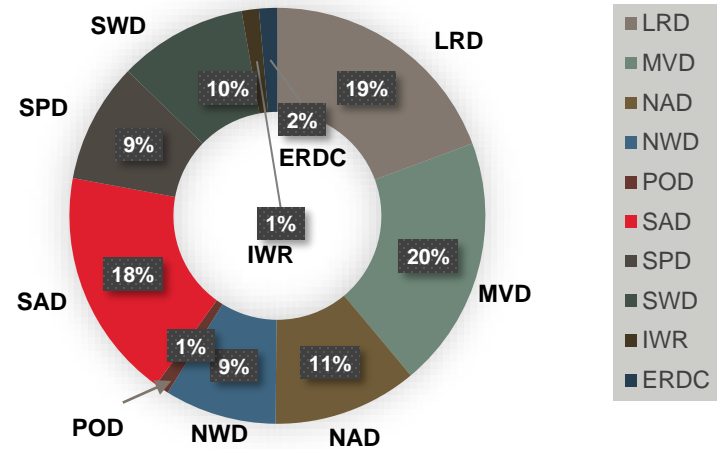
NAD CW Regular Program



NAD Total Available FY 20 - \$1.08B (REG)



USACE MSCs - FY 20 REG



Civil Programs (REG)

- Large, Complex, Diverse Portfolio of Projects and Stakeholders
- CW Programs – In FY 20, 4th largest portfolio in USACE
- FY 18 – FY 20 Enacted: Ranges from \$661-\$709M
- FY 20 Program ~\$1.08B (Carry-In \$419M)
- FY 21 PBUD - \$575M
- FY 22 Army REC - \$392M
- **Investigations – Enacted + Carry-in \$34.9M**
 - North Atlantic Coast Focus Areas (5)
 - PED efforts – NAB (1) and NAO (2)
- **Construction – Enacted + Carry-in \$373M**
 - Boston Harbor, MA (\$51M)
 - Poplar Island, MD (\$28M)
 - Deep Creek, VA (\$15M)
 - Raritan River Green Brook, NJ (\$31.8M)
- **O&M - Enacted + Carry-In \$600M**
 - Cape Cod Canal, MA (\$15.8M)
- **FCCE – Enacted + Carry In \$4.5M**
- **FUSRAP – Enacted + Carry-In \$67M**

Civil Programs (SUPP)

- **NAD significant supplemental portfolio includes:**
 - **PL 113-2 Sandy (\$5.1B) – Largest NAD Portfolio**
 - To date ~\$2.4B obligated
 - Approximately 10 of 224 projects (CG) remain
 - Key drivers – FIMP, NY; Rockaway, NY; Passaic, NJ (\$2B)
 - **PL 114-254 FY 17 Supplemental (\$104M)**
 - Approximately 18/19 projects completed
 - **PL 115-123 FY 18 Supplemental (\$49M)**
 - Approximately 4/9 projects completed – Remainder GI
 - **PL 116-20 FY 19 Supplemental (\$10.9M)**
 - Approximately 2/6 short term projects completed.

Challenges

- Funding path forward for NAD Focus Area feasibility studies
- OMB fully funding projects beyond capability – CO issues
- FY22 Army recommendation has historically low NAD CG amount
- Securing new C starts for Portsmouth Harbor NH; Norfolk Harbor, VA
- Reprogramming limitations – no flexibility
- Stresses on O&M Navigation and FRM infrastructure resources



NATIONAL PLANNING CX

COASTAL STORM RISK MANAGEMENT (PCX-CSRМ)



Who:

- NAD Planning & Policy Chief as serves as the PCX Director, reporting to HQ Planning & Policy CoP.
- Virtual team roster of over 100 Certified Planners available to support and lead Agency Technical Reviews (ATRs).

Active Studies:

- Over 40 active GI studies, including 17 FY18 Supplemental studies and 7 FY19 Supplemental Studies.

What we do:

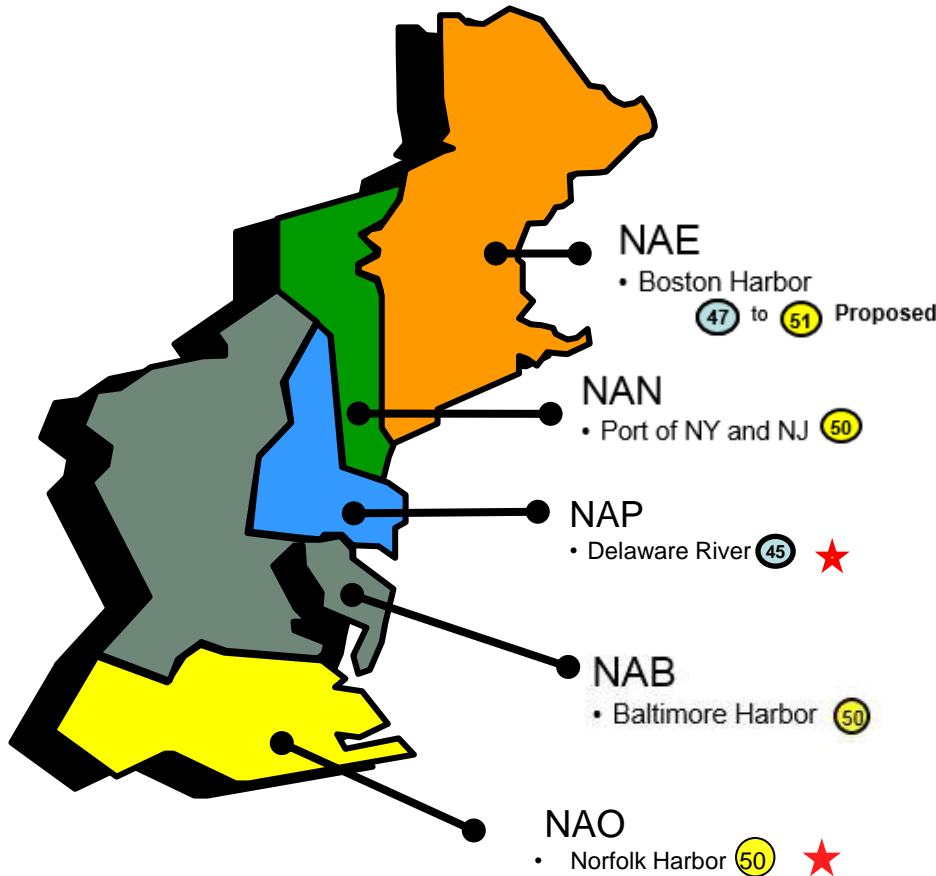
- Consulting services and advice to coastal PDT's and stakeholders.
- Lead ATRs and Independent External Peer Reviews (IEPRs) for coastal feasibility studies.
- Development and administering of Planning Associates (PA) Coastal Planning Class.
- Maintain relationships with national coastal community, both internal (ERDC & IWR) and external (ASBPA, sponsors, agencies, academia, etc.) including research & development and climate change initiatives.
- Planning Model Certifications, Approvals and guidance to support ongoing studies.
- Manage the Corps role in the **National Hurricane Program**.
- Leadership in development of **USACE CSRМ Strategy**: shared coastal system and responsibility and integrated solutions to reduce coastal storm risk and increase resilience.
- Advisors to Coastal Engineering Research Board (CERB), Flood Risk Management Business Line and coastal R&D community.



NAD NAVIGATION PROGRAM



Premier Deep Draft Ports by District



MEDIUM CLASS HOPPER DREDGE REPLACEMENT

Regional Navigation Infrastructure:

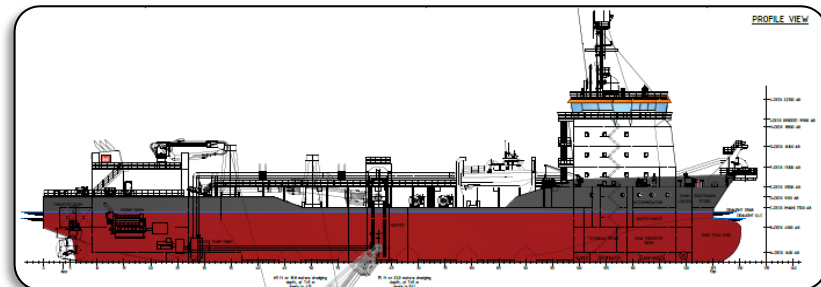
- 117 deep draft projects (>14 feet)
- 368 shallow draft projects
- 134 dredged material placement areas
- 4 navigation locks
- 8 high-level bridges – Cape Cod Canal Bridges – Major Rehabilitation Evaluation Report
- Drift Removal & Prevention of Injurious Deposits Program in NAN, NAB & NAO
- 1 Ready Reserve Dredge - MCFARLAND

Meeting Global Challenges:

- Three ports at 50 feet; Post-Panamax ready
- Port of NY/NJ raised Bayonne Bridge
- Delaware River Main Channel being deepened to 45 feet
- Boston Harbor undergoing deepening
- Baltimore Harbor channels undergoing widening study
- Norfolk Harbor deepening to 55 feet
- Two Strategic Defense Ports ★

Regional Waterborne Commerce:

- 9 of top 43 leading U.S. ports in tons (355M)
- 404M tons/year all NAD ports (14% of nat'l)
- 6.8M TEU/year all NAD ports (22% of nat'l)





NAD INFRASTRUCTURE PROGRAMS

(DAMS, BRIDGES AND LEVEES)



Dams:

- Districts provide routine & non-routine support to 55 dams throughout Region. Regional DS Production Center provides support throughout the Region & World. The average age of the dams is 60 years old with limited funding for O&M, major rehabilitation projects, and a limited pool of engineers to replace retiring staff.

Bridges:

- NAD's bridge inventory includes 149 bridges which includes 8 of USACE's high-level bridges. Currently supporting bridge replacement projects for Bourne & Sagamore Bridges (NAE) and North Landing & Deep Creek Bridges (NAO). In addition to supporting our own bridges, we provide bridge & HSS inspections for Army, US Forest Service & EPA.

Levees:

- The NAD Levee inventory consists of 25 USACE-owned levees & 183 locally owned levee systems covering 290 miles. We support routine activities such as routine and periodic inspections and non-routine activities such as screening level risk assessments and emergency management support per PL 84-99 and ER 500-1-1.





BUILDING STRONGER



Take-aways:

- USACE operates around the globe and is integral in our National Security Strategy and National Military Strategy, along with enhancing our economy.
- The wide array of efforts we are involved in: Military, Civil Works, Regulatory, Environmental, Global Engagement, and Contingency.
- Continuously evolving to improve how we operate: Lessons Learned from executing in COVID/telework environment, Partnering with Industry, Pre-Qualification, Early Contractor Involvement (ECI). We value innovation and adapt to field-driven solutions.
- Constantly looking to improve collaboration with stakeholders and regional partners.
- USACE is an interesting and important place to work: We are Hiring