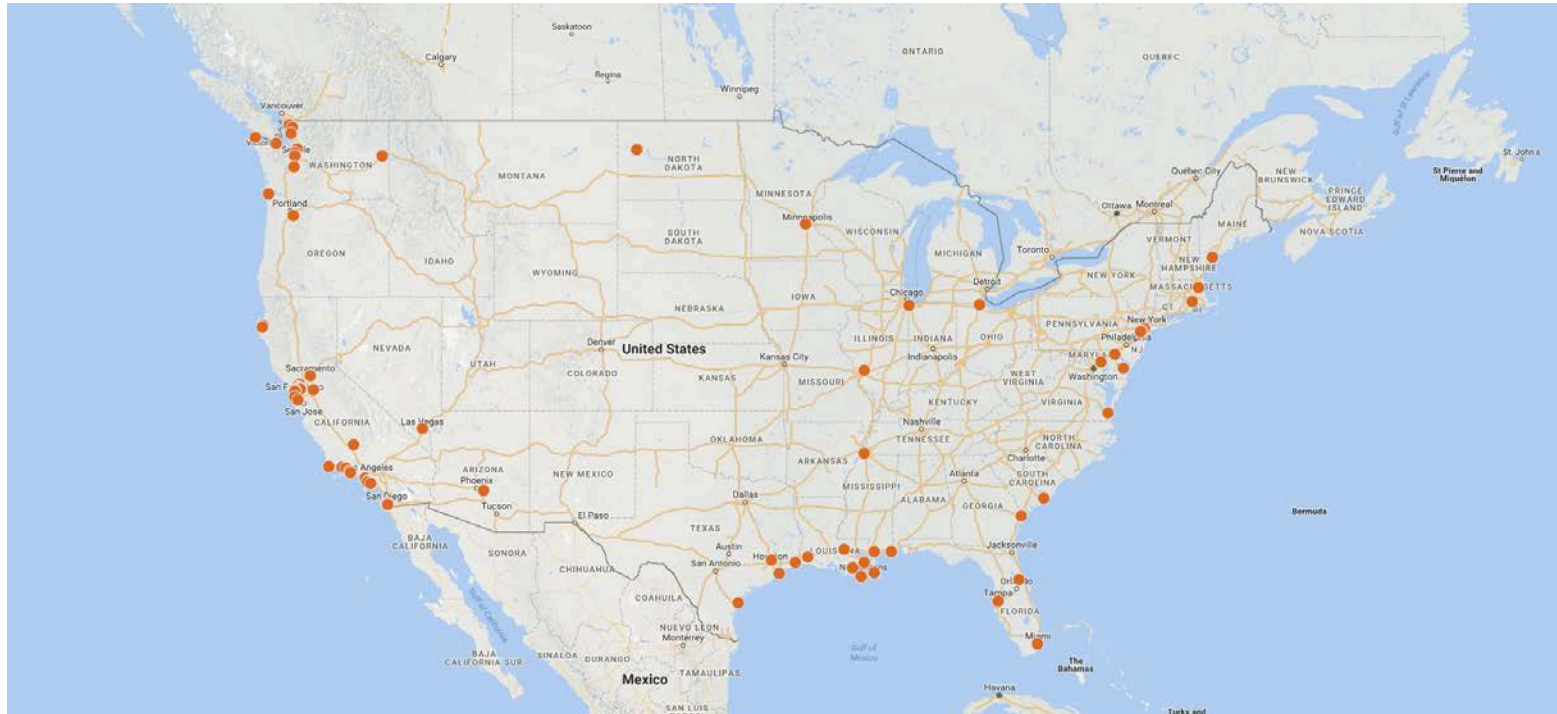




Our Mission: To respond to oil  
spills and other natural disasters

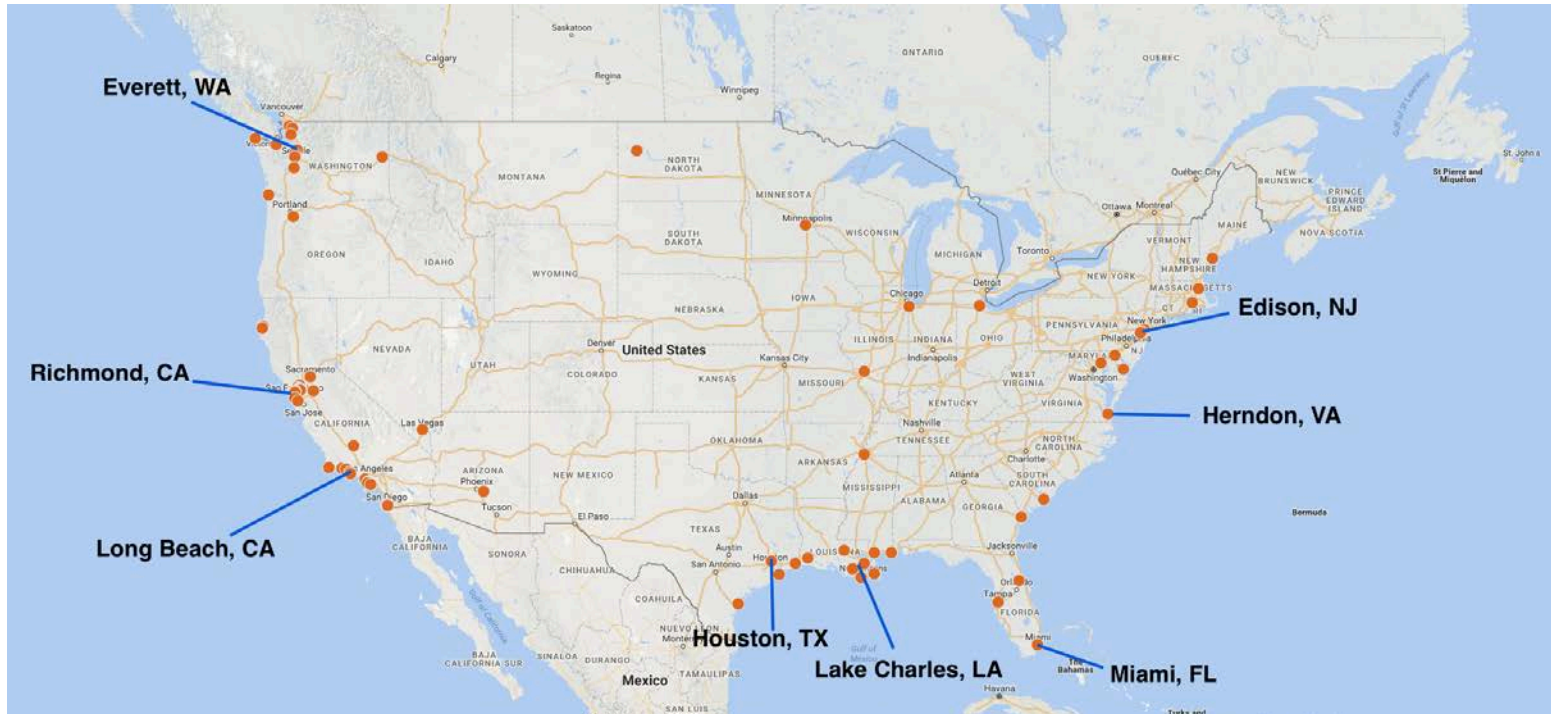
# Nationwide Oil Spill Response

Total of 74 pre positioned sites, including Hawaii, St. Croix, and Puerto Rico.



# T&IS Technician Locations

Location of T&IS Personnel and Emergency Communication Packages.



# T&IS Mission

- Handle day to day operations from a technical standpoint
- Install/maintain internet and VOIP networks, radio equipment, satellite communications, telecom, help desk (computer support), and deploy emergency communications equipment.
- Perform radio officer duties onboard Oil Spill Response Vessels (OSRV).
- Support Surveillance and Remote Sensing (SRS) program.

# ECP (Emergency Communications Package)

- Internet and voice over satellite
- Radio Communications
- Power distribution



# Equipment Detail

- **Ku-band Satellite System**
  - 2.5 Mbps down, 1.5 Mbps Up (expandable up to 20 Mbps with X7 modem upgrade)
  - Can support approximately 100 telephones:
    - 50 Cisco wired VOIP Phones
    - 10 Cisco wireless VOIP Phones
    - 2 Cisco conference phones
    - 30 analog POTS phones (additional Cisco/POTS sets can be supplemented from another region).
- **LAN/WLAN**
  - Fiber backbone
  - Wired data connections via Cisco 24, 12, and 8 port switches
  - 8 indoor and 1 outdoor Cisco access points, with 1 wireless controller.



# Equipment Detail - Continued

- VHF, UHF, Marine, and Aviation radio support:
  - 52' pneumatic mast with 6 antenna mounts
  - Dispatch console with two remote stations
  - (20) UHF handheld radios
  - (30) VHF handheld radios
  - (3 ea.) VHF, UHF, marine base stations
  - (1) aviation base station with two handhelds
  - (2 ea.) VHF, VHF narrow-band, and UHF repeaters
  - (1) ROIP kit
  - (1) Cross-Band Repeater

# Equipment Detail - Continued

- **Small VOIP Kit**
  - Supports (4) wired and (4) wireless Cisco VOIP phones
  - (2) WAPs and (2) switches for LAN connectivity
  - 20:1 oversubscribed network 5120/2048 Kbps
- **Generator**
- (2) 26 KW (240 V single phase) generators
- AC power distribution to command center
- 72 – 84 hour run time under normal operations.



# Federal Building South 2017



# Small Satellite Package

