

## Thomas J. Allen, A.A.

Marine Technician

### EXPERTISE

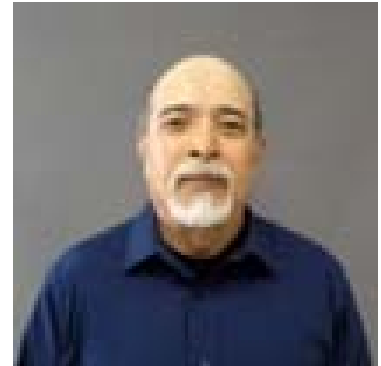
Specializing in the installation, support and maintenance of monitoring equipment in industrial and oceanographic settings, including NOAA PORTS water level stations and the array of sensors for measuring meteorological and oceanographic data. System level and component level electronic circuit troubleshooting and repair, malfunction trend analysis, and quality control inspection.

### QUALIFICATION SUMMARY

- 34 years of experience operating and maintaining electronics, computer systems, and data communications equipment
- 12 years of experience in Quality Assurance/Control inspection, planning, implementation, and analysis
- 12 years of experience with real-time oceanographic and meteorological measurement system installation, operation, and maintenance
- 12 years of experience with Sutron Xpert and Sutron 9210 data collection platforms
- 12 years of experience with Sontek side/bottom mount and Nortek buoy mounted acoustic current profilers
- Possesses strong writing, verbal communication, and organizational skills
- Experienced with programming languages: BASIC, Pascal, Atlas, Assembly, Fortran, HTML, C++

### WORK EXPERIENCE

2007–Present Marine Technician, Woods Hole Group, Inc.  
1994–1998 Assistant Avionics Flight Chief, United States Air Force  
1989–1993 F-15 Avionics Shop Chief, United States Air Force  
1986–1988 Chief Inspector, Quality Assurance Division,  
United States Air Force  
1974–1986 Avionics and Computerized Test Station Technician,  
United States Air Force



### Education

2007 – A.A.  
Computer Engineering  
*Delaware Technical &  
Community College*

2007 – A.A.  
Computer Network  
Engineering  
*Delaware Technical &  
Community College*

2006 – A.A.  
Electronics Engineering  
*Delaware Technical &  
Community College*

1988 – A.A.  
Avionics Applied Science  
*Community College of the  
Air Force*

## KEY PROJECTS

**National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Physical Oceanographic Real-Time Systems (PORTS), Delaware River & Bay, DE – Marine Technician**

Serve as PORTS technical assistant to Project Manager, Clinton Hare, and Delaware Field Office. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation and maintenance activities, annual inspections, and emergency service. Served as the primary team member for the upgrade and relocation of the Bridesburg water level system, including pre-deployment equipment testing, assembly and configuration, and installation of upgraded systems.

**National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Physical Oceanographic Real-Time Systems (PORTS), Chesapeake Bay, MD – Marine Technician**

Serve as PORTS technical assistant to Project Manager, Clinton Hare, and Delaware Field Office. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation and maintenance activities and emergency service. Served as the primary team member for the upgrading of the three NOAA air gap systems that are part of Chesapeake Bay PORTS network, including pre-deployment equipment testing, assembly and configuration, and installation of upgraded systems.

**National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Physical Oceanographic Real-Time Systems (PORTS), New York/New Jersey Harbor, NY – Marine Technician**

Serve as PORTS technical assistant to Project Manager, Clinton Hare, and Delaware Field Office. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation & maintenance activities, annual inspections, and emergency service.

**Jacksonville Marine Transportation Exchange, Physical Oceanographic Real-Time Systems (PORTS), Jacksonville – Marine Technician**

Serve as technical assistant to Project Manager, Clinton Hare. Assisted with initial equipment installation, testing, technical support, and reporting tasks. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation & maintenance activities, annual inspections, and emergency service.

**National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Great Lakes VDatum Water Level Stations – Marine Technician**

Serve as technical assistant to Project Manager, Clinton Hare. Assist on an as-needed basis with technical support and reporting tasks, including field support for installations, removals, maintenance activities, and emergency service.

## KEY PROJECTS (CONTINUED)

**National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Physical Oceanographic Real-Time Systems (PORTS), Houston/Galveston Bay, TX, Galveston Channel, West End Horizontal Acoustic Doppler Current Profiler – Marine Technician**

Serve as technical assistant to Project Manager, Clinton Hare. Assisted with initial equipment procurement, build out, testing, technical support, and reporting tasks. Assist on an as-needed basis with technical support and reporting tasks, including field support for installation.

**National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Physical Oceanographic Real-Time Systems (PORTS), Lake Charles, LA – Marine Technician**

Served as technical assistant to Project Manager, Robert Catalano. Assisted with initial equipment installation, testing, technical support, and reporting tasks. Assisted on an as-needed basis with technical support and reporting tasks, including field support for routine operation & maintenance activities, annual inspections, and emergency service.

**National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), National Water Level Observation Network (NWLON), Category 3 Hurricane Hardened Single Pile Water Level & Meteorological Observing Stations (4), Gulf of Mexico – Marine Technician**

Served as technical assistant to Project Manager, Robert Catalano. Assisted on an as-needed basis with initial equipment installation, testing, technical support, and reporting tasks.

**Kinder Morgan, Money Point Terminal, VA – Marine Technician**

Assisted Project Manager, Clinton Hare, in the design and installation of a wind monitoring system linked to visual and aural alarms to meet permitting requirements for offloading fine grain products. Primary tasks included assisting with the design, testing, and installation of system.

**National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Physical Oceanographic Real-Time Systems (PORTS), Charleston Harbor, SC – Marine Technician**

Serve as PORTS technical assistant to Project Manager, Clinton Hare, and Delaware Field Office. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation & maintenance activities, annual inspections, and emergency service.

**Dual Wind Monitoring System on the USCG VTS Mariners Tower, USACE NY and NY/NJ Port Authority, Staten Island, NY – Marine Technician**

Serve as technical assistant to Project Manager, Clinton Hare. Assisted with initial equipment installation, testing, technical support, and reporting tasks. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation & maintenance activities, annual inspections, and emergency service.

## KEY PROJECTS (CONTINUED)

### **National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Great Lakes VDatum Water Level Stations – Marine Technician**

Serve as Marine Technician to Project Manager to perform in-shop configuration and testing, install and remove seasonal water level stations in the Great Lakes region in support of hydrographic and shoreline mapping and new release of the International Great Lakes Vertical Datum 2020. Provide technical and field support for installations, removals, and emergency maintenance visits.

### **Delaware Memorial Bridge Temporary Air Gap System, Delaware River and Bay Authority, New Castle DE – Marine Technician**

Serve as Marine Technician to Project Manager, Clinton Hare, to install and test temporary air gap system to facilitate passing of ships carrying post-Panamax cranes. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation & maintenance activities, and emergency service.