

Dewey Beach Patrol



Open Water Rescue
Emergency Medical Service
Beach Event Management

2022 Seasonal Report

Prepared by:

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Introduction

The Dewey Beach Patrol (DBP) command structure includes Department Head Captain Todd A. Fritchman (*Appendix G*), and Lieutenants: Michael Thompson, Liam Zolper, Hank Coveleski, Michael Portman, and Benjamin Sala. The DBP provided an average of twenty-six (26) certified lifeguards and one EMT/EMR daily. Weekend Services were applied to the Vandyke St. Bay beach according to peak usage periods. Typically, fifteen (15) lifeguard stands were utilized to cover 22 blocks (1.1 miles) of coastline and one (1) stand was utilized on the Bay Beach. The patrol provided permitted beach event management oversight, Open Ocean Water Rescue, Bay Rescue and Emergency Medical Services to the entire town during from May 27th, 2022, through September 11th, 2022. Night Patrol services were conducted on July 3rd and July 4th only.

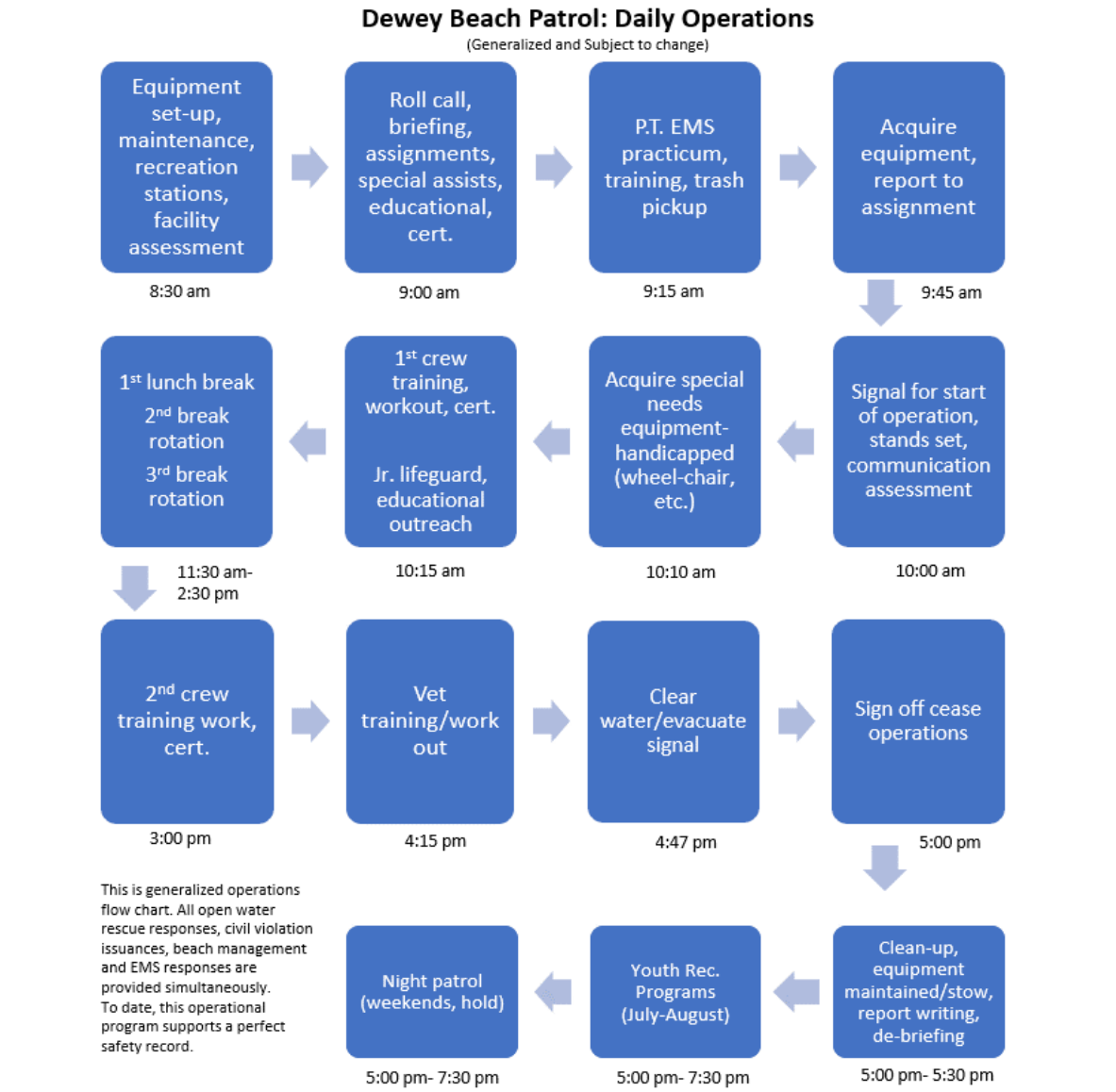
Requirements for the Beach Patrol

1. Must be at least 16 years of age.
2. Must submit a physical examination report certified by a physician or Nurse Practitioner.
3. Must be in excellent physical condition. Rookie workouts and veteran workouts are mandatory and strenuous. Beach, surf, and emergency responses scenes (conditions can be dangerous at times).
4. Submit a completed application prior to March 15.
5. Complete a pre-employment physical test and Captain's interview. The test consists of the following:
 - a. 1 mile run (on the beach)
 - b. 1-220 yard dash sprint
 - c. Rescue Simulations and aptitude testing
 - d. Pull-ups (Standard grip)
 - e. Push-ups (Until failure)
 - f. 500 meters swim in ten (10) minutes or less
 - g. 25 yard sprint swim (rescue simulation)
6. Must acquire Emergency Medical Responder (EMR) Certification. An accredited EMR course certification is required for every beach patrol member. This certification may be acquired in-house on an annual basis in partnership with the Delaware Fire School.
7. Complete a written beach patrol/U.S.L.A. exam – 80% minimum required for a passing grade.
8. Provide Town of Dewey Beach Dept. of Human Resources Documentation Requirements.
9. Complete a drug screening.
10. Comply with all policies listed in "Dewey Beach Patrol Policy Handbook/Work Agreement and Open Water Rescue Curriculum.

To maintain high-standards and exemplary performance, all members of the patrol must undergo physical and mental wellness tryouts, rigorous physical training, and educational coursework. The DBP is nationally accredited by the United States Lifesaving Association (USLA) to certify its members in open water rescue. Each guard will hold certifications as: (1) an Emergency Medical Responder by the Delaware State Fire School, (2) as a Health Care Provider by the American Heart Association; and (3) an Open Water Rescue Lifeguard through the USLA Certified Program in house with the Dewey Beach Patrol (*Appendix A*). First year lifeguards must complete a minimum of twenty-one (21) days of training that includes intense Open Water Rescue training, Emergency Medical Responder training and the completion of the annual "Rookie" training test. In addition, the DBP is a standing member of the Sussex County Lifesaving Association (SCLA). All lifeguards must continuously complete routine training in CPR, standard first aid, c-spine injury stabilization, and beach/surf management.

The Dewey Beach Patrol typical operational duties began at 9:00 am for roll call, briefing and training. The lifeguards sign on at 10 am sharp, clear the water at 4:57 pm and sign off at 5:00 pm unless an active response is in progress. Station breakdown, transport and equipment return occurred from 5:00 pm to 5:30 pm. This typical schedule excludes opening day orientation and training for the entire staff from 7am – 9:45am.

Daily Operations



Due to public request, standards within the industry, and community stewardship, the DBP also provides a host of related services including, but not limited to:

- Emergency Medical Services
- Handicapped access services
- Beach Event Management
- Beach Ordinance Enforcement/Educational Outreach

- Night Patrol on assigned event or holidays
- Marine Mammal, Avian and Reptile stranding reports and disposal
- Junior Lifeguarding Program (see www.deweybeachpatrol.com)
- Youth and Adult Recreation Program (see www.deweybeachpatrol.com)
- Marine, bird, fish and reptile safety instruction and educational outreach to various groups
- Trash and Debris Removal
- Fecal Matter Clean-up
- Tri-State Bird Rescue Procedures
- Incident Command System (CIS) Training and Reporting
- DBP Competition Team
- Bay Rescue

The Junior Lifeguarding Program, Youth Recreation Program and educational outreach programs are funded in part by non-profit and private donations.

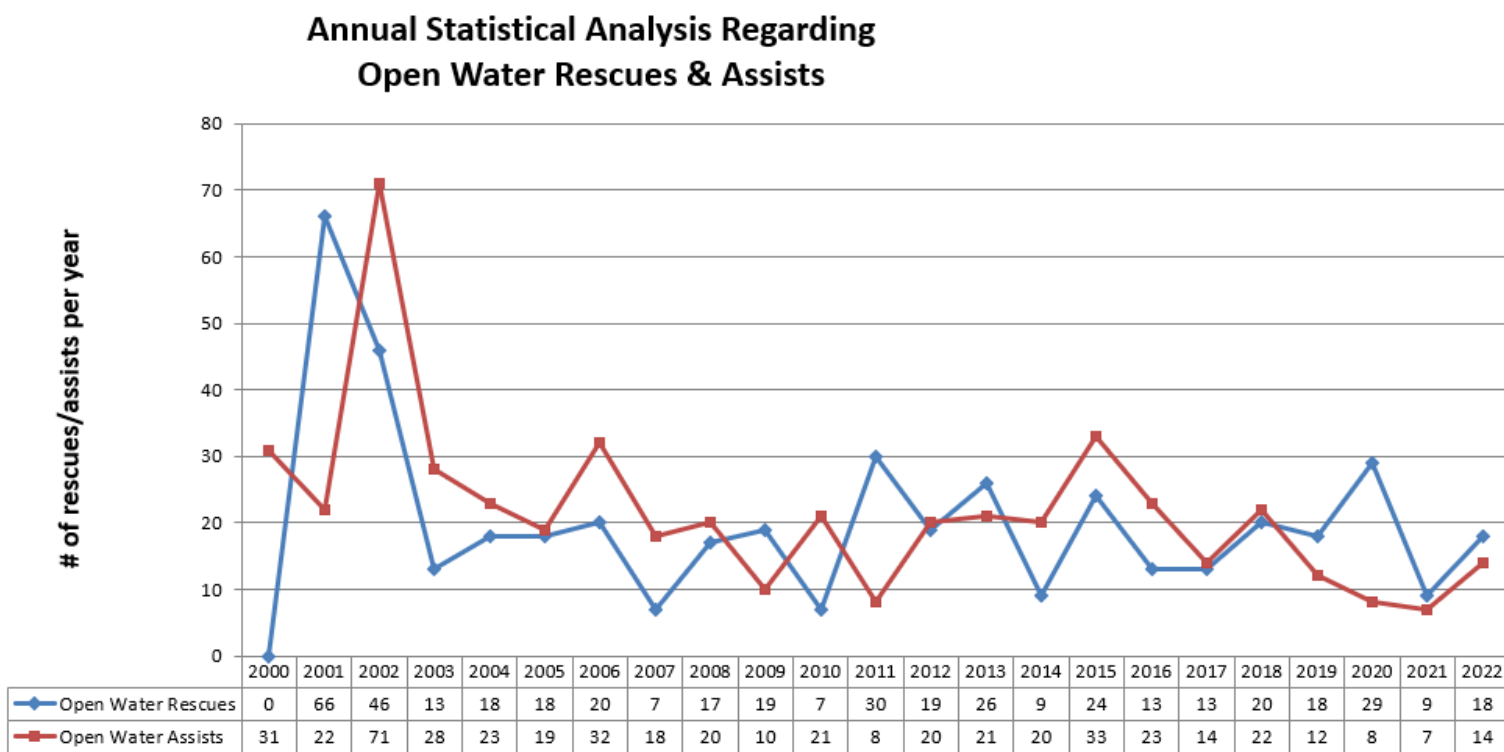
During the past summer season, the DBP has experienced some variations in rescue response services provided. This has been attributed to observable increase of visitors using the beach facility, alterations of the coastline topography, coastal erosion, and significant weather events. The hazards experienced by swimmers include profound long-shore currents, profound “shore break” and rip currents. This spring and summer season provided a large volume usage from April to mid-September. Weather patterns and the residual effect of beach replenishment have also been concerns in the past. It has become very apparent that the Town of Dewey Beach has more family group usages daily than in the past.

Statistics

Open Water Rescue

Most rescues occur because of inexperience with the high energy impact of our surf zone (“shore break”), associated rip currents and longshore currents. A rescue is defined as any case in which a lifeguard physically extricates a victim from the water when the victim lacks apparent ability to do so alone. An assist constitutes a pro-active and preventative removal from the surf zone for physical, preventative, or educational purposes. The following graphs indicate the annual statistical analysis of open water rescues, open water assists, missing persons, beach evacuations, and major and minor emergency response cases from 2000 to 2022.

Table 1: Open Water Rescues and Assists



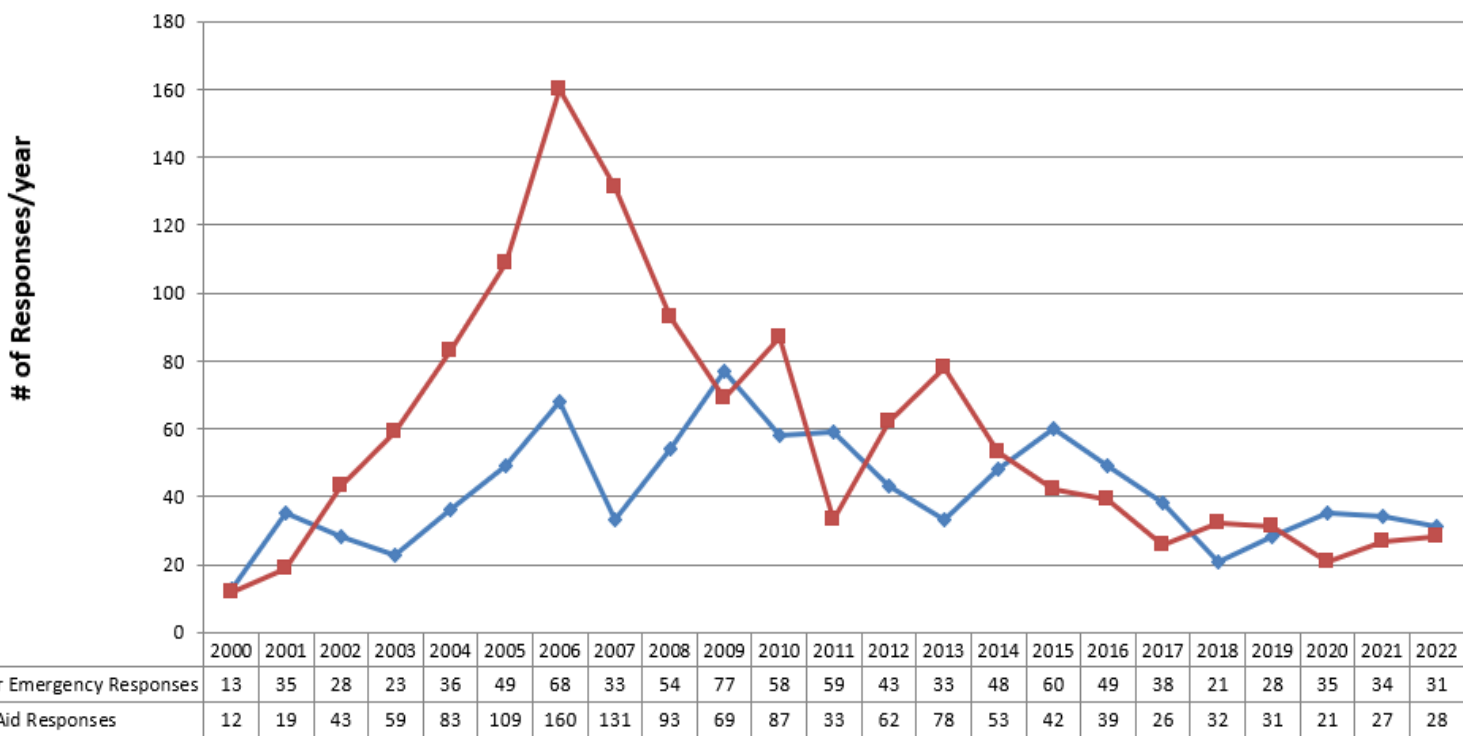
Emergency Medical Services

Major emergency response cases typically require transport or Advanced Life Support Response. These emergencies may include, but are not limited to, the following: broken bones, seizures, dislocations, cervical spine injury, impact trauma, lacerations, heat stroke, severe bleeding, cardiac arrest, blood sugar, bicycle accidents, falls on stairs, water in the lungs, drug and/or alcohol overdose, torn ligaments, hypersensitivity reactions, Flying umbrella injuries strike, auto accidents, dog bites, unconsciousness, fire call responses and fire alarm response. There were potential cervical spine injury responses but no loss of life or exacerbated injury.

First aid responses typically require basic life support. These cases include, but are not limited to abrasions, intoxication, dog bites, splinters, allergic reactions, fatigue, burns, insect bites, jelly fish stings, soft tissue damage, eye injury, fishhook puncture, heat exhaustion and sting reactions.

Table 2: Emergency Medical Services

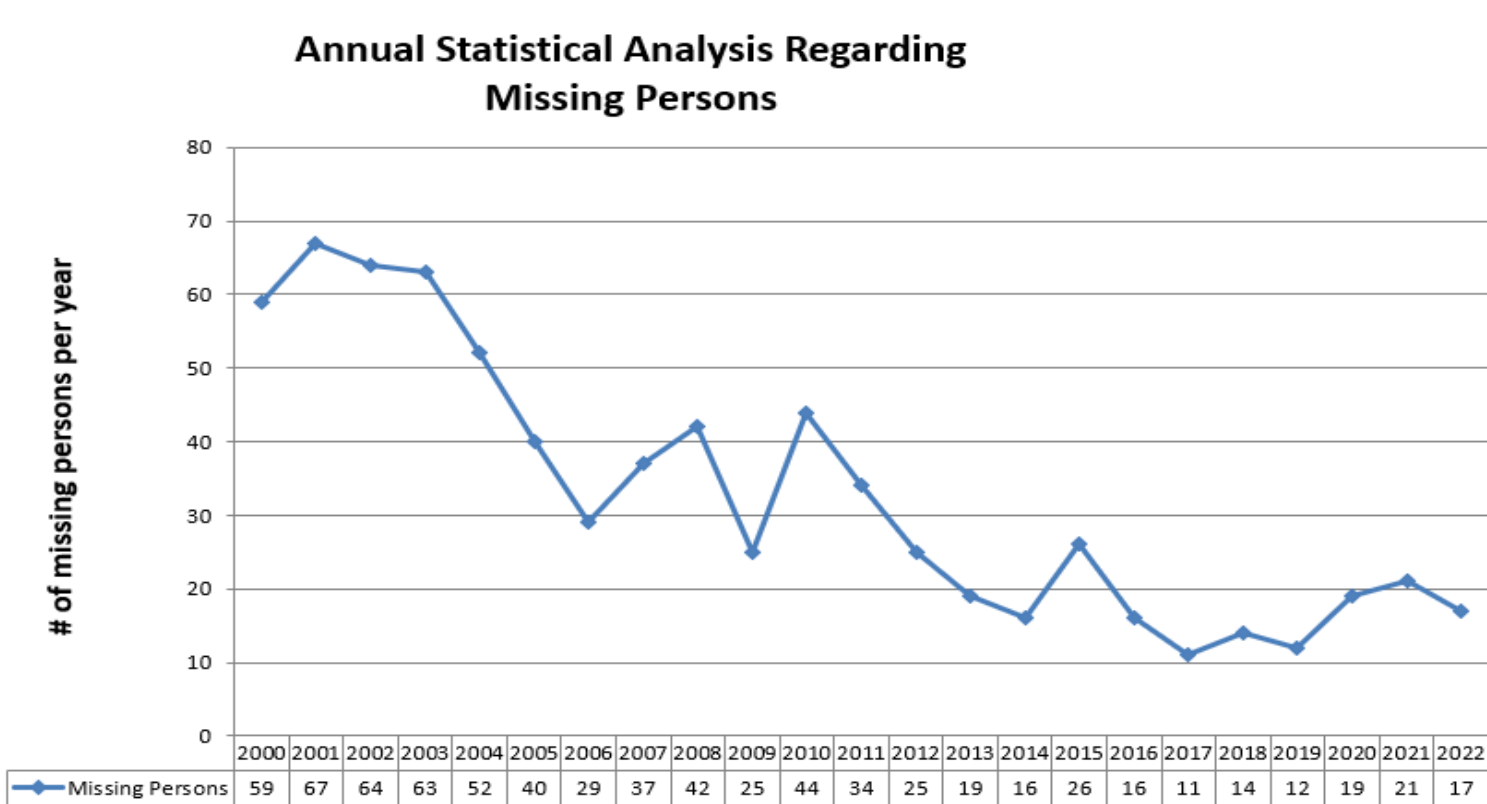
Annual Statistical Analysis Regarding Major Emergency Responses and First Aid Responses



Missing Persons

A lost person recovery plan is activated immediately upon request from the parent(s), guardian(s), and/or responsible party or when a lost person is discovered. This process is applied to youth and adults. We possess a return rate that averages ten (10) minutes or less typically and many lost persons are from other jurisdictions including Rehoboth Beach and the State Parks. Our Lifeguard Stand Street Name Identification lettering and stand number flagging systems implementation has reduced the number of lost persons occurrences.

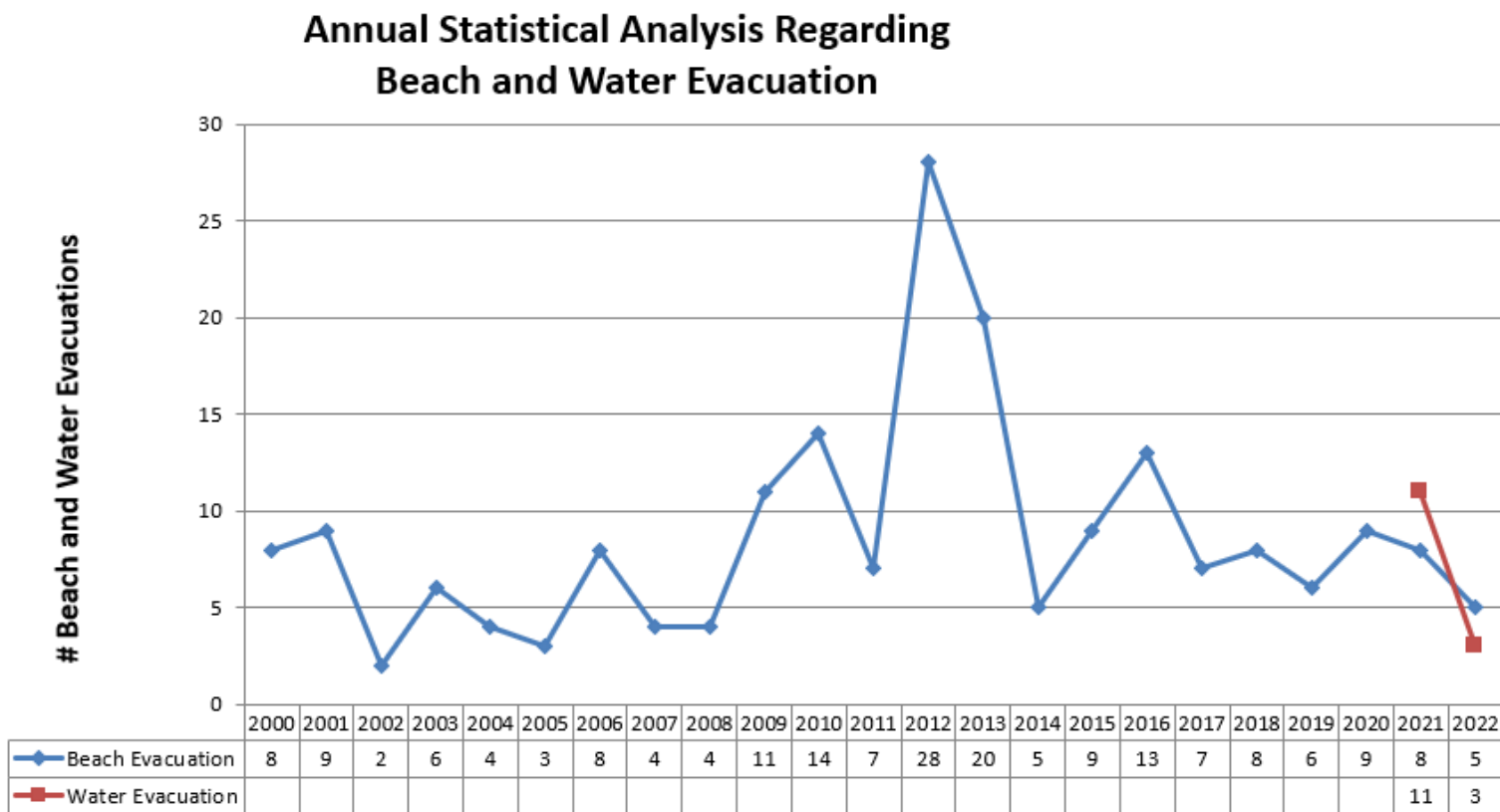
Table 3: Missing Persons



Beach Evacuations/Regulated Water Use

Prior to or during significant weather events or marine hazards, the DBP may evacuate the facility and or water column. This typically includes, but is not limited to lightning storms, waterspouts/tornados, hurricanes, marine life activity, northeast windstorms, and special events.

Table 4: Beach Evacuations



Night Patrol

The Town of Dewey Beach requested veteran members of the DBP to monitor the beach facility during designated hours. The operating period may be subject to change from time to time. The purpose of this evening monitoring program is to maintain safety on the beach facility, enforce town ordinances, monitor beach fire permits, check for fishing licenses, trash pick-up, and provide eyewitness testimony regarding ordinance violations to the Dewey Beach Police Department (DBPD). Night Patrol (NP) staff members will conduct all normal DBP duties and strictly adhere to professional code of conduct as demonstrated in the Dewey Beach Patrol Handbook/Work Agreement. (*Appendix C*).

NP Staff Members must meet the following criterion in order to qualify:

1. United States Lifesaving Association (USLA) certified. Staff members must
 - a. Complete at least 23 hours of physical training in a USLA certified training agency with an approved curriculum- (DBP)
 - b. Complete written examination (with a score of 85% or better)
2. At least two (2) years of open water rescue experience- (DBP)
3. First Responder Certified
4. At least two (2) hours pre-response training with the DBPD
5. Establish witness testimony protocol (training by DBPD)
6. Demonstrate comprehension of the use and care of the ATV and rescue response equipment including, but not limited to:
 - a. CPR mask
 - b. Buoys
 - c. Uniform
 - d. First Aid Supply
 - e. Emergency Medical Equipment
 - f. Lights
 - g. Handheld Communication Devices – 800 MHz and/or Motorola handheld.
 - h. Any other devices deemed necessary by the DBPD
7. Demonstrate a complete understanding of DBPD protocols. Including the use of the handheld radio sets.
8. Provide debriefing documentation to all agencies involved. This information must clearly document any/all trouble shooting and/or situations requiring intervention.
9. NP Staff Members are responsible for documenting all training hours, work hours, and applied rescue experience time. They are required to understand and uphold all town ordinances and have them readily available at all times.

Civil Code Violations

To control alcohol consumption, breaches of peace, and littering on the beach facility, highly tenured members of the Dewey Beach Patrol have undergone training from the Beach Patrol Captain of Dewey Beach regarding the issuance of Civil Code Violations relevant to consumption of alcohol, littering, unlicensed dogs, glass on beach, and breaches of peace. Educational outreach was provided to all staff. Ordinance slips were given to witnessed alcohol violators or potential violators. Civil summonses were to be issued by the Dewey Beach Police Dept. this season.

Civil and Criminal Voluntary Assessment

CHAPTER 65. BEACHES

§65-2.	Beach curfew
§65-3.	Animals on beach
§65-4.	Surf fishing
§65-5.	Items prohibited on beach
§65-6.	Beach fires
§65-7.	Use of boats on or around beach
§65-8.	Vehicles on beach

OFFENSES

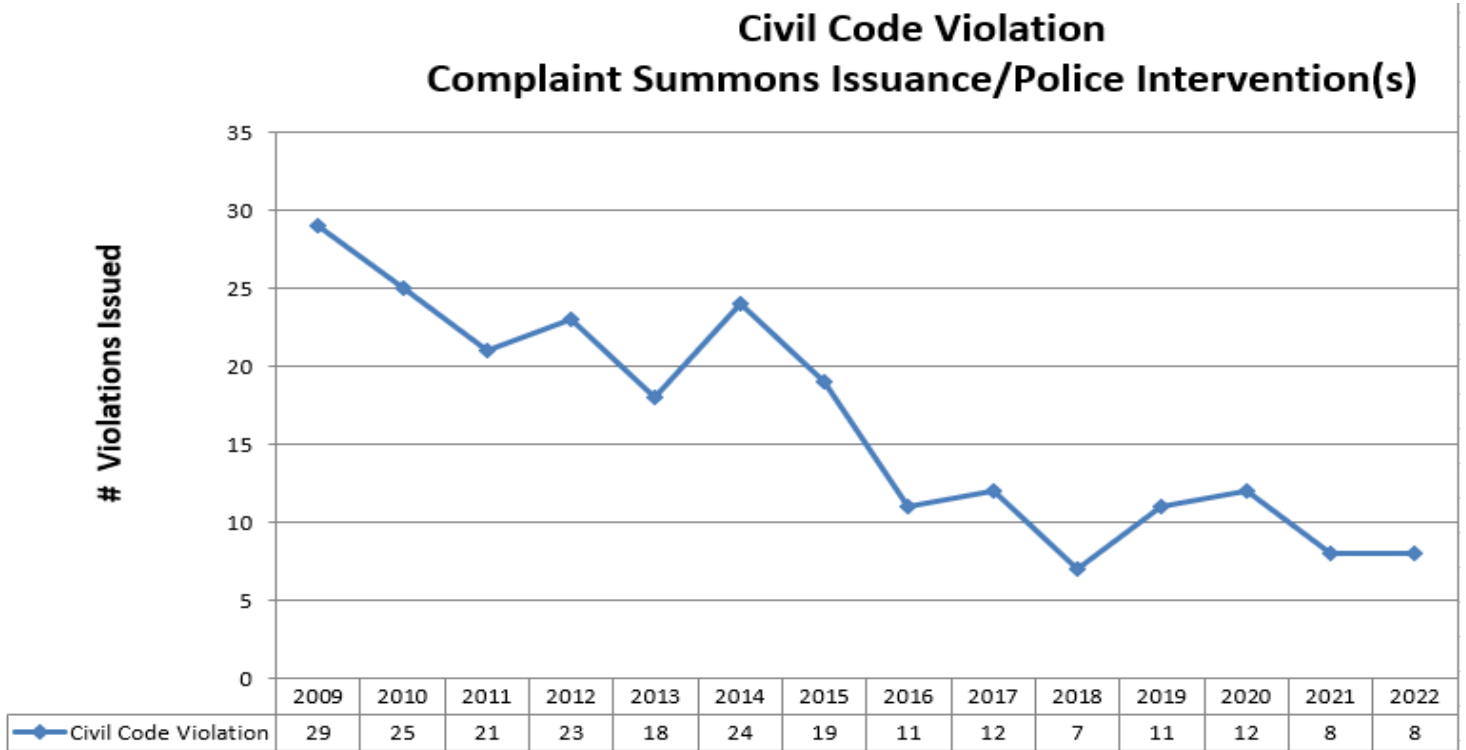
Civil
Civil
Civil
Civil
Civil
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Civil

CHAPTER 80. CIVIL OFFENSE

§80-6	Alcoholic beverage in public
§80-7	Commercial activity on streets and beach
§80-8.	Littering
	D. Animal defecation
§80-9	Sleeping in vehicles
§80-10.	Failure to acquire a dog license
§80-11.	Animal Noise

Civil
Civil
Civil
Civil
Civil
Civil
Civil

Table 5: Civil Code Violation



Beach Event Management

The DBP monitored and assessed the facility from approximately 8:30 am every day of the official summer season. Deficiencies are responded to or reported to the appropriate agency or department. The DBP also assists in crowd control, ordinance enforcement and medical services for events including, but not limited to: “Running of the Bull,” skim-board camps and contests, weddings, bonfires, recreational facilities setup, permitted event(s) monitoring and breakdown. There was a total of nine (8) police intervention calls.

Lifeguard of the Day

To provide adequate communications, assist with clerical, log data, respond to inquiries, receive, and advise visitors and to provide general maintenance to the Lifesaving Station (LSS); a “Guard of the Day” is posted daily at the LSS until staffing shortages dictate otherwise.

Tetherball Stations

The patrol operates and maintains (16 ±) tether ball stations throughout the season. The demand from both youth and adults is high. Therefore, we plan to continue the program and include more stations. A description of the location of each of the tetherball stations on the operations map. (*Appendix D*)

Handicapped Beach Access Chair Usage

Beach Access chairs are available upon request to anyone needing additional assistance accessing the beach facility, primarily handicapped. The chairs are sturdy, lightweight, sand-terrain designed, and specialized to allow easier access in the sand. A driver’s license, local address and phone number are required for reservation

and specific rules apply. This year alone, there were a total of **228** provisions/transport. The chairs are funded primarily through private donations by the Town of Dewey Beach.

Competition

To meet standards in the lifeguard industry, promote the Town of Dewey beach in a positive fashion, promote stewardship, and provide motivation for staff: The DBP provides a competition team on an annual basis. The team competes in local, regional, national, and international USLA sponsored competitions. Although competitions are not a primary objective, the team has succeeded beyond expectations. The DBP has represented the town well by receiving honors, including, but not limited to:

- ✓ 2002 Sussex County Lifeguarding Association (SCLA) Team Ocean Series Runner-Up
- ✓ 2003 SCLA Team Ocean Series Champions
- ✓ 2003 Gateway United Team Runner-Up
- ✓ 2004 USLA National Lifeguard Championship, Division A - 3rd Place
- ✓ 2006 Mid-Atlantic Regional Team Champions
- ✓ 2007 National Champions (Beach Flags, Open Water Rescue)
- ✓ 2008 3rd Place Team USLA National Lifeguard Championship
- ✓ Individual and individual Team National Champions and Runners -Up.
- ✓ 2009 USLA National Lifeguard Championship, Division A – 4th Place
- ✓ Individual and Team National Champion Runner-Up
- ✓ 2010 USLA National Championship, Division. A-Second Place; in conjunction with the SCLA.
- ✓ (5) National Champions
- ✓ SCLA First Place Point Scorer
- ✓ 2012 USLA National Championship, Division A-Third Place; in conjunction with the SCLA.
- ✓ 2013 USLA National Championship, 11-person team competed in Manhattan Beach, CA conjunction with the SCLA.
- ✓ 2014 USLA National Championship, Division A – Female Sprint Team, National Champions Runner-Up Female Beach Flags National Championship Runner-Up. Men’s Sprint Team – 4th Place.
- ✓ 2015 USLA Regional Lifeguard Championship, Men’s Sprint Team – 1st Place. Women’s Sprint Team – 1st Place. Women Beach Flag. 1st Place NSLA Nationals Completion Team Participation
- ✓ 2016 USLA Regional Lifeguard Championship, Men’s Sprint Team – 1st Place. Women’s Sprint Team – 2nd Place. Women’s Beach Flags – 1st place. USLA National Championship, Hermosa Beach, CA, Men’s Sprint Team – 4th place. Women’s Beach Flags National Champion Runner-up – 2nd place.

- ✓ 2018 Dewey Beach Patrol Completion Team Achievement
 - USLA Ocean Series Completion 2018
 - USLA Mid Atlantic Regional Lifesaving Completion 2018
 - USLA Nationals 2018 – Virginia Beach

- ✓ 2019 Dewey Beach Patrol Completion Team Achievement
 - USLA Ocean Series Completion 2019
 - USLA Mid Atlantic Regional Lifesaving Completion 2019
 - USLA Nationals 2019 – Virginia Beach
 - Men’s Sprint Team National Championship 2019.

- ✓ 2021 Dewey Beach Patrol Completion Team Achievement
 - Mid-Atlantic Regionals
 - Women's 2k- Ella Meyer- 5th place, Hadley Rhue- 7th place
 - Men's 100M Sprint- 1st Place Team: Reed Tanasovich, CJ Fritchman, Michael Frederick, Eid Nouhra; 7th Place Team: Hank Coveleski, Jason Kaiser, Ian Noonan, Zack Stevenson
 - Womens 100m Sprint- 4th Place Team: Lainey Shockro, Katie Giles, Olivia Brozefsky, Meredith Lockwood
 - Men's Rescue Race- 3rd place: Danny Pack and Brad Poole
 - Women's Rescue Race-3rd place: Rainna Tomlin and Allie Thomas
 - Men's 400m Swim- 6th place: Danny Pack
 - Women's 400m Swim- 8th place: Bridge O'Hara
 - Women's Run Swim Run- 6th place: Rainna Tomlin, 8th place: Allie Thomas, 9th place: Bridget O'Hara, 13th place: Madison Drager
 - Men's Beach Flags- 8th place: Reed Tanasovich, 11th place: Steve Hagan
 - USLA Nationals
 - SCLA 2nd Place Overall
 - 4x 100m Sprint Mens- 1st Place: CJ Fritchman, Michael Frederick, Eid Nouhra, Reed Tanasovich
 - 4x100m Sprint Women's- 2nd Place: Lainey Shockro, Meredith Lockwood
 - Women's Beach Flags- 3rd Place: Lainey Shockro
 - Women's Run Swim Run- 12th Place: Rainna Tomlin
- ✓ 2022 Dewey Beach Patrol Completion Team Achievement
 - SCLA Ocean Series
 - Mid-Atlantic Regionals Championships
 - USLA National Championships:
 - Men's 100M Sprint Team A- 1st Place: Hank D'Ambrogi, Mikey Frederick, CJ Fritchman, Eid Nourha
 - Men's Sprint Team B- 3rd Place: Hunter Jones, Sean Carson, John Antonio, Austin Rhue
 - Women's 100M Sprint- 4th Place: Hadley Rhue, Olivia Brozefsky, Elizabeth Melson, Ella Rishko
 - Men's Beach Flags- 25 and up Steven Hagen 1st place. CJ Fritchman, Eid Nourha top ten.
 - Women's Beach Flags- Ella Rishko

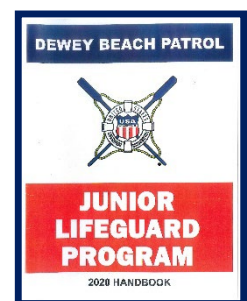
Community

One of the most unique things about the Dewey Beach Patrol is the way in which the lifeguards give back to the community. In 1998, the DBP began a Junior Lifeguarding program to help educate children in the areas of water safety and open water rescue. Also, in 1998, the DBP began a youth recreation program, providing a safe and fun evening alternative for children and young adults in the community. The community has shown their positive perception and need for lifeguards in several cases. (*Appendix E*)

Junior Lifeguarding Program

The Junior Lifeguarding Program was created for youth, ages 6 to 16. The program includes regular sessions beginning Tuesday, July 1st and held on Tuesday and Thursday from 10:30 to 11:30 am through the second week of August. Individuals interested in participating should report to the Dewey beach Lifesaving Station (located on Dagsworthy Street and the beach). There is charge for the program.

The mission of the USLA and the Dewey Beach Patrol is as follows: "To establish high-standards for open water (beach) lifeguards, to educate the public, and to promote actions intended to result in saving of human life in and around the marine environment."



Participants must provide the following:

- A basic physical exam, certified by a physician
- Demonstrate intermediate swimming ability
- A high degree of self-discipline during instruction
- Must be able to meet an intermediate level of physical fitness
- Must complete and return a liability waiver
- Must complete and return a registration form

The Program provides quality instruction for each participant by the Captain of the Dewey Beach Patrol whose qualifications include:

- Delaware Certified Secondary Level Education Teacher of Biology
- BS. Biology, MS. Biological Sciences Education
- USLA Certified Open Water Rescue Advanced Lead Instructor
- 41 years of open water rescue experience in training and management
- Incident Command Certified
- Emergency Medical Responder - National Certification

The program will provide direct instruction and applied experience in, but not limited to the following areas: lifesaving history, lifeguard qualification and training, communication methods, health, fitness and safety, the surf beach, the marine environment, weather and other hazards, rescue equipment, public relations, drowning, preventative lifeguarding, water surveillance, aquatic search and rescue, records and reports, and components of a rescue.

Youth Recreation Program

The Dewey Beach Youth Recreation Program provides a facility, on the beach, which will meet the recreational needs of individuals ranging in age from early adolescents to teenage. The program is implemented, maintained, and managed by members of the Dewey Beach Patrol under the direction of the Patrol Captain.

The program is offered on an evening basis beginning at 5:15 pm and ending at sunset (weather permitting). The facility was located on Dagsworthy Street and the Beach. The starting date was July 2nd and the program continued through Labor Day.

The staff provided the following for the participants:

- Set-up and Break Down of all Equipment
- Supervision of recreational area
- Basic Skill Instruction (if needed or requested)
- Officiating of any team activity

The equipment and activities offered may include but are not limited to: (for early adolescence) T-Ball, whiffle ball, rubber horseshoes, beanbag toss, ring toss, tether ball, STX Lacrosse (complete with goals and sticks, no contact), rubber footballs, soccer (complete with goals), basketball, and volleyball.

Contributions

As a supplement to the Town provided funding the DBP offers great thanks to those who have contributed to our cause. All contributors (see appendixes A) great and small are significant. Private donations support many of the daily services that the DBP provides. These services include, but not limited to beach access chairs, youth recreation program, junior lifeguarding program, Open Water Rescue, competition team expenses and emergency medical service vehicles. The gracious contributions are critical to our efficient professional service. The leadership of Dewey Beach extend our greatest appreciation to all our contributors to the Dewey Beach Patrol.

Recommendations for Future Operations

1. All events permitted or sanctioned by the Town of Dewey Beach, which take place on the beach, including, but not limited to skim board events, group outings, weddings, bonfires, etc. are communicated to the DBP at least 2 weeks before the event. A copy of the event permit is requested. A method for ensuring that compliance of non-sanctioned business operations is recommended.
2. Dogs and cats are leashed when using the facility. Dog feces accumulations on the facility have increased exponentially in conjunction with usage. Multiple traumatic injuries have occurred due to dog bites on Dewey Beach and urination on people.
3. Wages increases in attempt to be consistent with surrounding municipalities and townships as we have fallen behind significantly (\$\$.25/hour across the board wage increase is requested).
4. Operational start and finish dates.
5. Mass marketing and educational outreach to motels, hotels, and businesses that alcohol use and possession on the beach facility is prohibited.
6. No motor vehicles permitted to be used form 930am to 4pm during summer moths except for permitted activities and or emergency vehicles.

Appendix A



TOWN OF DEWEY

BEACH

www.townofdeweybeach.com

105 Rodney Avenue
Dewey Beach, DE 19971
302-227-6363 (Voice or TDD)
302-227-8319 (Fax)

Contributors (2022)

Mayor Bill and Janine Stevens

Mr. Raymond Alexander

Mr. and Mrs. Russell Meyers

Mr. Monty Montgomery

Mr. Stuart Outten

Ms. Sandra Paulen

Mr. Alex Pires

Mr. Michael Wick

Ms. Ruth Ann Bowers

The Henthorn Family

Mr. Charles Litchford

F & S Commercial Cleaning Co.

Appendix B

DEWEY BEACH PATROL 2022



Policy Handbook/ Work Agreement


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This document was prepared and written by Todd A. Fritchman,
Captain Dewey Beach Patrol.**

Appendix C

Town of Dewey Beach





Location of Lifeguard Stands (Subject to Change based on conditions)

Stand 1: Chesapeake St. 


Stand 2: Carolina St.

Stand 4: Jersey St.

 Stand 5: Chicago ST. 

Stand 6: St. Louis 

Stand 7: Houston St. 

Stand 8: Clayton St. 

Stand 9: Swedes St. 



Stand 10: Salisbury St.

 Stand 11: New Orleans St.

 Stand 12: Dagsworthy St. 

Stand 13: McKinley St.

Stand 14: Read St. 

Stand 15: Rodney Ave.

Stand 16: Dickinson Ave

Stand 17: VanDyke Ave.

Stand 18: Collins Ave. and

19: Vandyke Ave. Bay Beach.



* Volleyball nets and standards will be privately owned but are for public use. They will be set perpendicular to and approximately 15 feet from

Volleyball Nets
Tetherball Stations



Appendix D

Appendix E



Dewey Beach Patrol
Open Water Rescue Lead
Instructor Lifeguard
Certification



Lead Instructor Todd A Fritchman

The person named above has successfully completed 167 hours of didactic and skill training in Open Water Rescue Lifeguarding. This course was presented by the Dewey Beach Patrol in conjunction with the U.S.L.A., Dewey Beach, Delaware, a nationally accredited Advanced Training Agency of the United States Lifesaving Association. This person is now certified as an Advanced Open Water Surf Lifeguard as set forth by the Dewey Beach Patrol. This certification is good for a period of two years from July 2020.

A handwritten signature in black ink, appearing to read "Todd A. Fritchman".

Captain Todd A. Fritchman,
Advanced Lead USLA Instructor

A handwritten signature in black ink, appearing to read "Zack Stevenson".

SR LT Zack Stevenson

Thank Coulelaki

Section LT

Ed Kaiser

Section LT

Liam Zepher

Section LT

Delaware State Fire School

CERTIFICATE OF COMPLETION

AWARDED TO

Todd A Fritchman

DEWEY BEACHPATROL

For the 12 HOUR

Emergency Medical Responder Refresher 0721

Conducted at Dewey Beach on June 30, 2022



(385)
TOTAL HOURS
OF TRAINING

Director

Chairman, State Fire Prevention Commission

Appendix F



Todd A. Fritchman
todd@townofdeweybeach.com

Career Titles

Captain Dewey Beach Patrol (1997-current)
Captain, Dewey Beach Patrol / Dewey Beach Emergency Medical Services and Open Water Rescue
Aquatic Biologist/EECI
Founder and CEO, Envirotech Environmental Consulting, Inc. (EECI) 1996
Teacher of Biology State of Delaware, Secondary Education, licensed (1988-Current)
Environmental Professional (EP) EPA Standard (ASTM Standard E1527-05)

Educational Background

B. S. Biology, Salisbury State University, 1988
M. S. Biological Science Education, Delaware State University, 1995
29 Years of Applied Biological – Environmental Sciences Teaching Experience
Applied Aquatic Biologist, Environmental Professional/EECI (1996-Present)
Adjunct Professor, Environmental Sciences, Wesley College 2016-2016

Educational Accomplishments

Indian River High School Teacher, State of Delaware Environmental & Marine Science Educator of the Year, 1997
Indian River High School Teacher of the Year Award
Delaware Department of Natural Resources and Environmental Control – Natural Resources Adoption Achievement Award
Recipient of MBNA Delaware Excellence in Education Grants Program Educational Grants

Committees Served and Career Related Experiences – Current and/or Present

Town of Dewey Beach Emergency Management Committee
Town of Dewey Beach Department Head (Beach Patrol/Emergency Medical Services)
Captain Dewey Beach Patrol (1997-current)
Co-Director, Open Water Rescue Cross Training Initiative Rescue Team
Youth Recreation Coordinator (Town of Dewey Beach)
Adjunct Professor, Wesley College, Dover, DE, Environmental Project Management Planning, (ES525), 2015 - 2016
Environmental Education Instructor (Center for Inland Bays)
Department of Education, State of Delaware Biology Teacher Association
Delaware Envirothon Instructor
Sediment and Storm Water Management Operations (DNREC)
Incident Command System
Delaware Certified Construction Review (DNREC)

Adopt-a-Wetland Coordinator
Division of Fish and Wildlife Boaters Safety
Delaware Sea Grant Advisory Council, Stormwater Maintenance Advisory Committee (SMAC)
Environmental Training Center Advisory Board, Delaware Technical Community College
Chairperson, Center for the Inland Bays Water Use Planning Committee
"No Child Left Inside"
Science and Education Coordinator for the Sussex County Land Trust
School Facilities Transition Team (Indian River School District)
Emergency Medical Service (EMS) Director
Alternate Delaware Lagoon Management Commissioner
Minority Access Research Instructor and Biochemical Research Assistant, Delaware State University,
Dr. Fatma Helmy

Certifications Acquired

Emergency Medical Responder, Delaware State Fire School
Open Water Rescue, United States Lifesaving Association, Lead Instructor
Incident Command System
National Incident Command Service for Single Resources and Initial Action Incidents
Department of Education, State of Delaware Teacher of Biology
Delaware Sediment and Stormwater Management Certification (CCR)
Aquatic Pesticide Applicator (DE, MD)
SePRO Aquatic Pesticide Applicator
Certified Private Nutrient Handler
Filtrexx Land Improvement Systems Certified Installer
Division of Fish and Wildlife Boaters Safety
POW! The Planning of Wetland(s)
Sediment and Storm Water Management Operation
Adopt-a-Wetland Coordinator
Wetland Planner
Rutgers Stormwater Management Planning

Community Service

Dewey Beach Youth Recreation Coordinator
Emergency Medical Services (EMS) First Responder
Open Water Rescue Certification Officer
United States Lifesaving Association (USLA)
Aquatic Ecosystems Restoration Foundation (AERF)
Coast Day Presenter, University of Delaware College of Marine Studies
University of Delaware Sea Grant Program, Wave Dynamics Studies
Environmental Educational Outreach Seminars
Department of Natural Resources environmental Control (DNREC)
--Natural Resources Conservation Services (NRCS)
--University of Delaware Sea Grant Program
Environmental Management Services Seminars
Delaware Make a Splash Water Festival and Estuary
Environmental Interpretation Instructor – Center for the Inland Bays
Speaker, Eastern Shore Pest Management Conference, University of Maryland Wicomico County
Municipal, Homeowners Association, and Private Environmental Management Service Providers
Rehoboth Farmers Market (Green Tent)
Director, Sunset Park Environmental Interpretation Day

Professional Organizations

- Aquatic Plant Management Society (APMS)
- Federal Emergency Management Agency (FEMA)
- International Erosion Control Association (IECA)
- North American Lake Management Society (NALMS)
- Community Associations Institute (CAI)
- Better Business Bureau®