

PARTICIPANTS IN THE MISSION

Matthew Lawrence	NOAA/ONMS Archaeologist
Brenda Altmeier	NOAA/ONMS FKNMS Maritime Heritage Coordinator
Kenneth Stewart - TSPS/TAP	Program Director
A Jose Jones- UAS	NABS Science Committee
Erik Denson - Diverse Orlando	Lead DWP Instructor & NOAA Scientific Diver
Jay Haigler -UAS	Lead DWP Instructor & NOAA Scientific Diver
Paul Washington -AVSC	Lead DWP Instructor & NOAA Scientific Diver
Kamau Sadiki - USA	Lead DWP Instructor & NOAA Scientific Diver
Ernest Franklin - UAS	Lead DWP Instructor & NOAA Scientific Diver
imageframe	DWP Instructor & NOAA Scientific Diver
Melody Garrett -USA	Instructor Candidate - Scientific Diver
Ken Futch - UAS	Advocate Candidate -Scientific Diver
Lisa McLoughlin	Advocate Candidate
Jonh Buchanan - UAS	DWP Instructor - Scientific Diver
Albert Dobbins- UAS	DWP Instructor
Kramer Wimberley -AVSC	DWP Instructor
Shirikiana Gerima - USA	Advocate Candidate -Scientific Diver
Dawn Ross	Advocate Candidate
Riane Tyler	Advocaate Canidate
Rebecca Hunter	Advocate Candidate
Andy Lyons - Diverse Orlando	DWP Instructor
Gayle Patrick -UAS	DWP Instructor
Walter Mason	Advocate Candidate
Guy Addelair -UAS	Instructor Caniditate
Kevin Blaustein	Advocate Candidate
Justine Benanty -GW University	Advocate Candidate
William Cox	Advocate Candidate
Barry Handy- NABS	Instructor Caniditate
Bernard Allen Heeke	Advocate Candidate
Ronald Reese UAS	Advocate Candidate
Chris Searles	DWP Instructor

SITE CONDITIONS

The air Temperature each day was 84° F. to 87° F.
 The depth of the site is 27'-0" at the center of the wreck to 11' at the bow end..
 There was little current, 10 knots seas
 The water temperature at the surface was 84° F.
 The water temperature below was 80° F.
 The visibility was 100' most of the days.
 The bottom terrain was basically hard with some sandy areas around the site.

THE "HANNAH M. BELL MISSION"

DIVING WITH A PURPOSE MARITIME ARCHEOLOGY PROGRAM "RESTORING OUR OCEANS, PRESERVING OUR HERITAGE"

Diving With a Purpose offers SCUBA divers of all varieties an opportunity to experience a new adventure: underwater archaeology. Where many are drawn to the selfish lure of sunken treasure, DWP challenges divers to hone their diving skills and contribute to revealing the hidden stories of our past. Diving with a Purpose (DWP) is a leader in submerged heritage preservation and conservation that provides education and training programs, mission leadership, and project support services worldwide with a focus on the African Diaspora.

The DWP course is an intense weeklong program that teaches the basics of underwater archaeology. This program usually consists of two day of dry instruction, and three days of diving data collection, ending with the final drawings of a wreck site. Students learn basic principles of underwater archaeological methods, ship construction, theory, and hands on archaeological drafting. Graduates can then participate in other missions to gain experience.

MAPPING THE *Hannah M. Bell* SHIPWRECK

History:

The *Hannah M. Bell* was built by Ropner and Son in Stockton-On-Tees, and launched into the Tees River on the northeast coast of England on 20 March 1893. The vessel measured 315 feet in length by 40.5 feet in breadth and had two triple-expansion engines Named after the woman who christened it, the steamship crisscrossed the Atlantic Ocean over the following 18 years carrying bulk cargoes of cotton, coal, and naval stores between the Americas and Europe. The steel steamship met its end when it ran aground off the coast of Key Largo in 1911. The ship struck Elbow Reef in what is now Florida Keys National Marine Sanctuary (FKNMS) For years, this wreck was known only as Mike's wreck by local and visiting divers.

Field Mission #1:

On September 18, 2012 thru September 20, 2012, four members of DWP joined National Oceanic Atmosphere Administration (NOAA) Office of National Marine Sanctuaries (ONMS) cultural resource managers on a mission to map the wreck known as Mike's Wreck in an effort to discover its identity. The team mapped 60 feet of the stern section of a estimated 300-foot long wreck in water 11 to 27 feet deep. Evidence documented during the mission pointed towards the ship being the *Hannah M. Bell*. The site dimensions matched very closely to *Hannah M. Bell's* as-built specifications and the site's construction characteristics matched the historically reported characteristics of *Hannah M. Bell*. No other vessels of similar characteristics to *Hannah M. Bell* were found during historical research to have wrecked at Elbow Reef.

Field Mission #2:

On May 18, 2014, thru May 20, 2014, 22 members of DWP again joined with ONMS staff to continue mapping the *Hannah M. Bell*. This time the work was done through the DWP Training Program Course, which allowed for a larger team. The objective of the mission was to map the forward half of the ship with a concentration on the larger pieces. The team successfully mapped 210' of the wreck from the bow toward the stern abutting the section that was mapped in 2012.

Field Mission #3:

On May 17, 2015, thru May 23, 2015, 19 DWP members again joined ONMS staff on a final *Hannah M. Bell* mapping mission. The work was again done through the DWP Training Program Course which allowed for a larger team. The mission concentrated on areas not previously mapped and verified previous work from the bow to the stern. Following the fieldwork, DWP and ONMS researchers finalized the site drawings and produced a CAD overall site map.

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 Jay Haigler, - Lead DWP Instructor NOAA Scientific Diver
 Paul Washington - DWP Instructor Scientific Diver
 Ernest Franklin) - DWP Instructor NOAA Scientific Diver
 Kamau Sadiki - DWP Instructor NOAA Scientific Diver
 Erik Densen - Lead DWP Instructor NOAA Scientific Diver
 Dr. A Jose Jones - DWP Instructor
 Kenneth Stewart - DWP Program Director
 Kim Walker - DWP Instructor NOAA Scientific Diver
 Gayle Patrick - DWP Instructor and Lead Draftsperson
 John Buchannan - DWP Instructor Scientific Diver
 Albert Dobbins - DWP Instructor
 Kramer Wimberley - DWP Instructor
 Andy Lyons - DWP Instructor
 Chris Searles - DWP Instructor
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 Kevin Blaustein
 Justine Benanty
 William Cox
 Barry Handy
 Bernard Allen Heeke
 Ronald Reese

"HANNAH M BELL SHIPWRECK"

DRAWN BY GAYLE CARTER PATRICK

REVISIONS:

DATE:	



DIVING WITH A PURPOSE UNDERWATER ARCHAEOLOGY
 NATIONAL MARINE SANCTUARIES AND
 NATIONAL OCEANIC AND ATMOSPHERE ADMINISTRATION



PROJ. NO. HANNAH M. BELL

SCALE: NONE

DATE: NOVEMBER 2016

SESSION: FINAL

DATA SHEET

A-4