



# SUNKEN DRY DOCK REFLOATED

12/2010



LOGAN DIVING & SALVAGE OF JACKSONVILLE, FLORIDA RECENTLY PROVIDED UNSCHEDULED DIVING SERVICES AND EQUIPMENT TO RAISE A SUNKEN DRY DOCK IN THE ST. JOHNS RIVER.

MOBILIZATION OF A SURFACE SUPPLIED DIVE TEAM WAS IMPLEMENTED IMMEDIATELY UPON REQUEST. A SALVAGE INSPECTION WAS PERFORMED AND NUMEROUS FAILURES WERE LOCATED AND STATIONED. SALVAGE PLAN DEVELOPMENT FOLLOWED WITH A DETAILED LIST OF PATCHES, PATCH CONFIGURATION, DIMENSIONS, AND IMPLEMENTATION STRATEGY PROVIDED.

WITH AMBIENT TEMPERATURES IN THE 30'S, WATER TEMPERATURES IN THE 50'S, AND 30 KNOT WINDS, LOGAN DIVING & SALVAGE DIVERS UTILIZED SURFACE SUPPLIED DIVING EQUIPMENT, UNDERWATER COMMUNICATIONS, KIRBY MORGAN SUPERLITE 37'S HELMETS AND HOT WATER MACHINES FOR THE DIVERS SAFETY AND TO EXTEND THE DIVERS BOTTOM TIMES REQUIRED TO PATCH THE HULL FAILURES AND REFLOAT THE VESSEL.

HYDRAULIC UNDERWATER DRILLS WERE USED TO PENETRATE THE STEEL PLATE COMPARTMENTS UNDERWATER FOR STRONG BACK SALVAGE PATCH INSTALLATION QUICKLY AND SAFELY.

OVER 21 SALVAGE PATCHES WERE INSTALLED ON THE 3 MODULE, 6 COMPARTMENT DRY DOCK IN ONE DAY ON SITE. DEWATERING WAS EXECUTED IN UNISON AND AT THE DIRECTION OF THE LDS SALVAGE MASTER. ADDITIONAL HOLES AND FAILURES WERE EVIDENCED ONCE DEWATERING BEGAN. ADDITIONAL SALVAGE PATCHES WERE FABRICATED ON SITE AND INSTALLED AS DEWATERING CONTINUED. THE VESSEL WAS RIGHTED AND RAISED AS EVENLY AS POSSIBLE TO PREVENT ANY ADDITIONAL STRUCTURAL DAMAGE.

WORKING WITH THE OWNER'S CREWS, THE CASUALTY WAS SURVEYED, REPAIRED AND REFLOATED IN 3 DAYS OF UNSCHEDULED FULL TIME COMMERCIAL DIVING SALVAGE OPERATIONS.

