

# CASE STUDY

## 70-MILE EARTHEN LEVEE GREATER NEW ORLEANS, LA

HURRICANE PROTECTION - LEVEE ARMORING



**Propex**<sup>®</sup>  
GEOSOLUTIONS

### PROJECT SUMMARY

The U.S. Army Corps of Engineers, New Orleans District embarked on one of the largest and most comprehensive public works projects in American history following the catastrophic damage caused by Hurricane Katrina in 2005. The Hurricane and Storm Damage Risk Reduction System (HSDRRS) program was begun shortly after Katrina, constructing over \$14 Billion of flood protection improvements such as levee enlargements, pump stations and closure complexes. One of the most critical measures of the HSDRRS was protection of refurbished earthen levees against the erosion-causing hydraulic forces of storm surge overtopping. Full scale installation of ARMORMAX<sup>®</sup> 75 was begun on over 70 miles of earthen levee in 2015, after a rigorous testing program to ensure that the system met USACE design standards.



#### PROBLEM

Typical earthen levee damage caused by storm surge overtopping



#### SOLUTION

ARMORMAX<sup>®</sup> 75 was installed on levee to armor and provide levee resiliency



#### INSTALLATION

Simple, rapid installation; deep rooted vegetation establishment



#### PERFORMANCE

The new standard for levee protection

### FEATURES & BENEFITS

- Immediate and Sustainable Protection
- Improved Levee Resiliency
- Proven Performance in Overtopping
- UV Resistant for up to 75 Year Design Life
- Rapid and Easy Installation
- Quicker Vegetation Establishment with X3<sup>®</sup> technology
- Resists Wildlife and Maintenance Damages



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