

National Geodetic Survey Update

Charlie Challstrom
Director, National Geodetic Survey
National Oceanic and Atmospheric Administration

Hydrographic Services Review Panel
August 18, 2005



Shoreline Mapping – Hurricane Imagery

Hurricane Dennis --
w/ Dynamic Aviation, Inc.



Shoreline Mapping – Digital Camera Tests



Contracts for testing:

- Z/I Imaging Digital Mapping Camera
- Vexcel UltraCam-D
- Leica ADS40

Shoreline Mapping – FY05 Production

**Shoreline completed
in FY05 to date:**

Contracts 2,203 miles

In-house 780 miles



LIDAR Mapping – Assistance to Korea



HYDROGRAPHIC SERVICES REVIEW PANEL



noaa

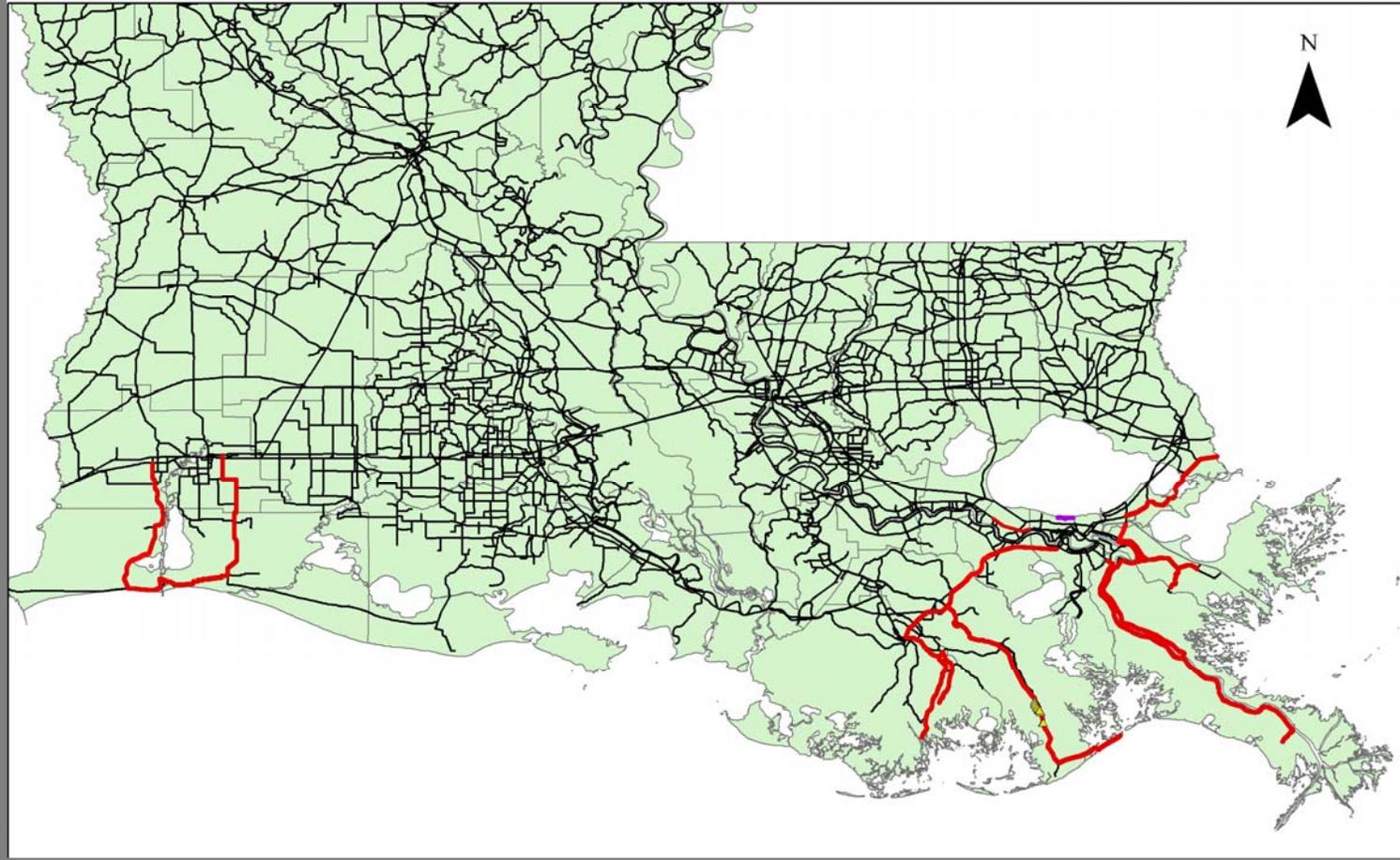
Height Modernization -- Partnerships

- Spatial Reference Centers:
California, Louisiana,
Washington
- Harris-Galveston Subsidence
District
- State Agencies:
SCGS, NCGS, WaDNR, WiDOT
- Universities:
University of Southern
Mississippi
North Carolina A&T University
Louisiana State University
University of California

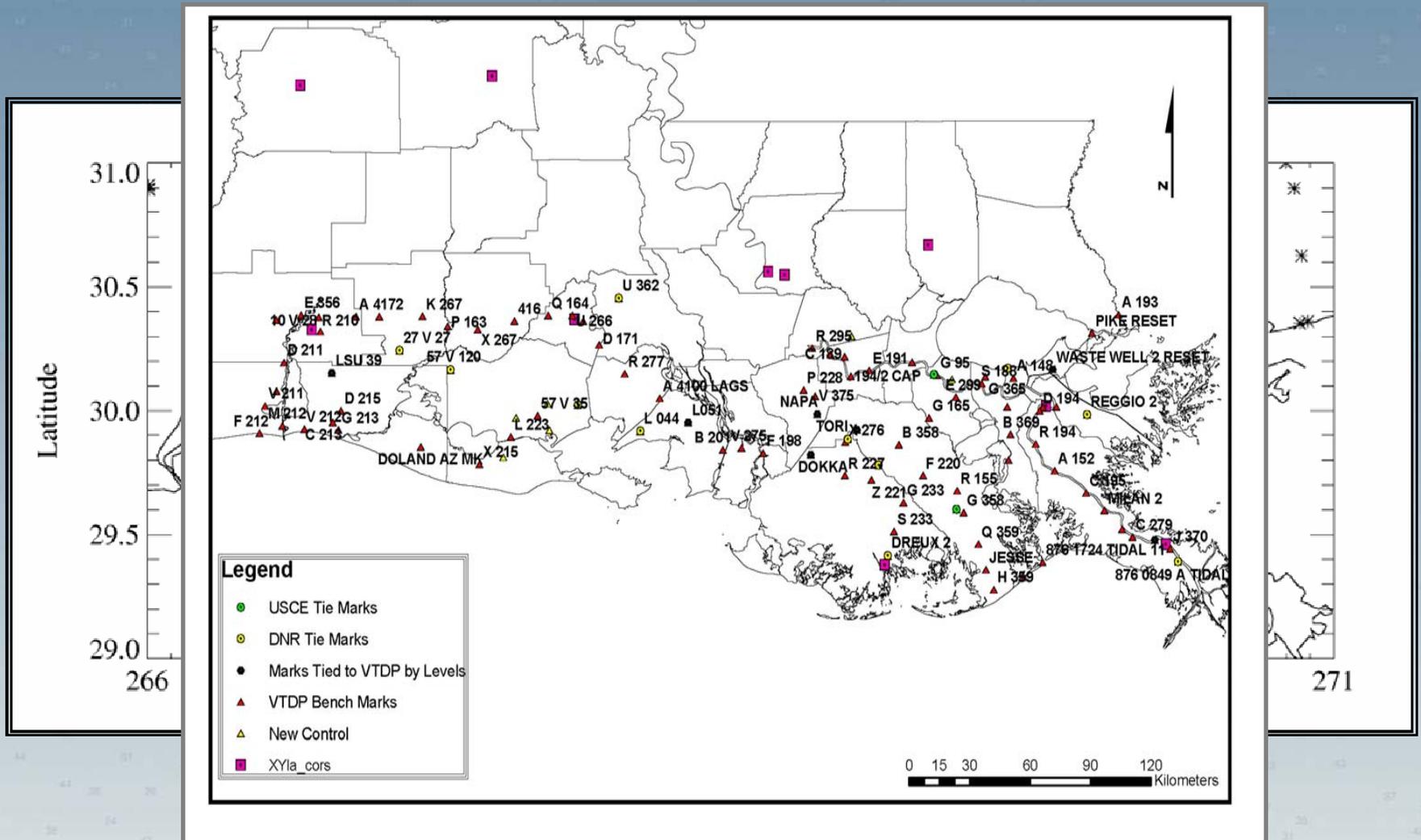


Height Modernization -- Subsidence

Southern Louisiana Evacuation Route Surveys-2004

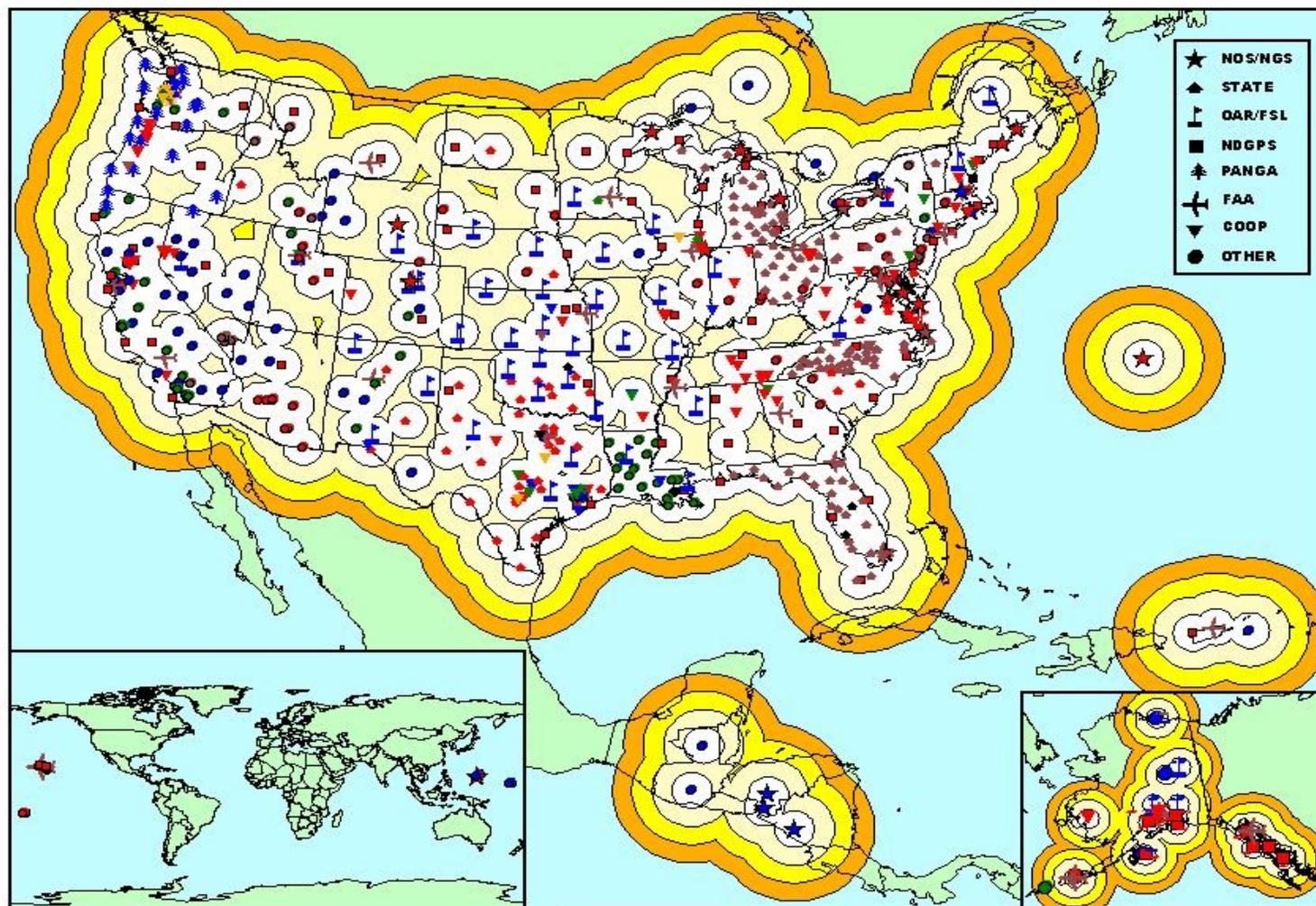


Southern Louisiana Campaign



Continuously Operating Reference Stations

CORS Coverage (100, 200, 300, and 400 km radius) January 2005

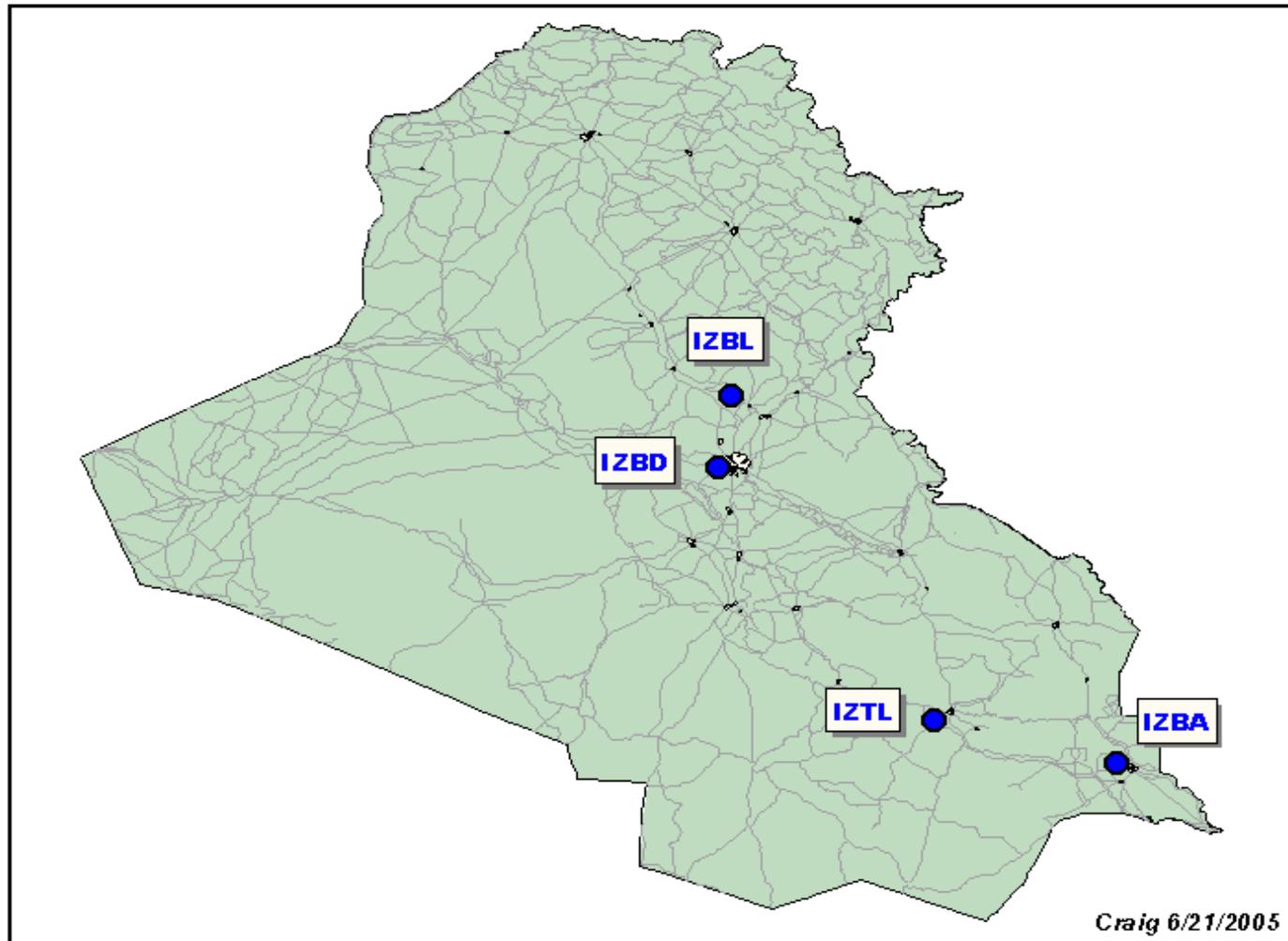


Symbol color denotes sampling rates: (1 second) (5 seconds) (10 seconds) (15 seconds) (30 seconds)

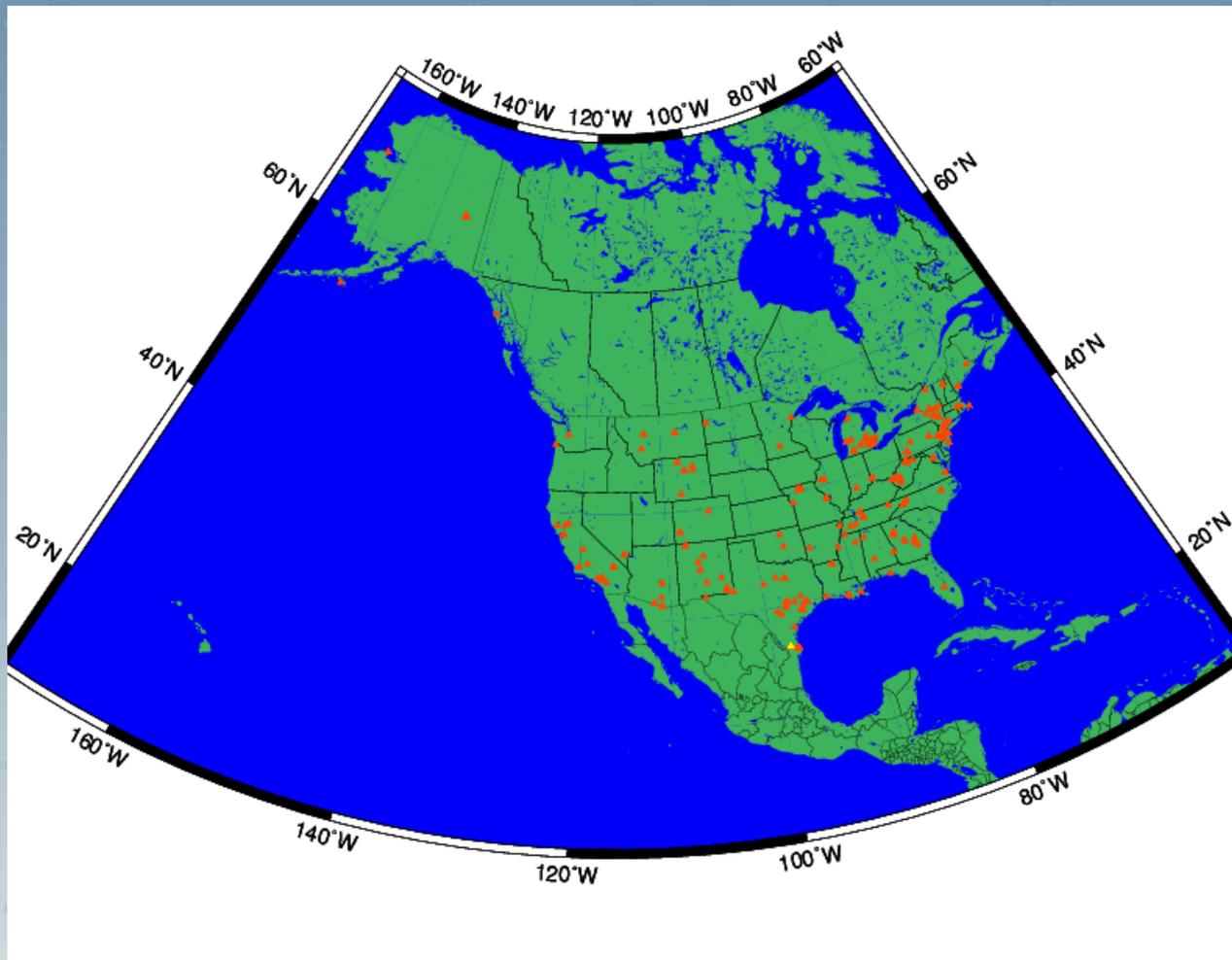
Craig 2/03/2005



International Assistance – CORS in Iraq



Online Positioning User Service (OPUS)



OPUS allows users to submit their GPS observations to NOAA, where the data is processed to determine a position.

Commemorative Marks



Lewis & Clark

U.S. Mint

U.S. Forest Service

Preserve America
Initiative