



# Louisiana Department of Natural Resources Pipeline Enforcement Division

**Jacques Rotolo**

Engineer / Pipeline Compliance Specialist

Lead Inspector for Pipeline Integrity Management

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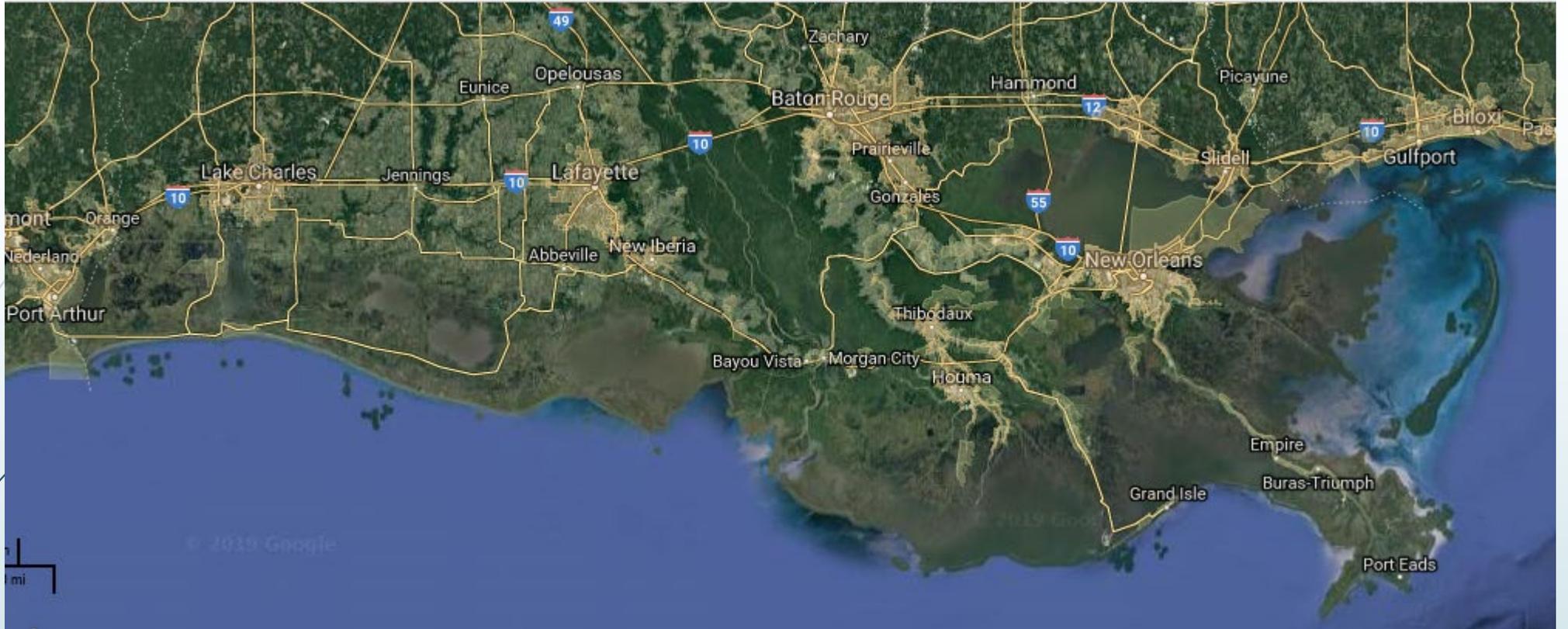
# Unusually Sensitive Areas (USAs)

## There are existing USAs and other High Consequence Area drivers for hazardous liquid pipelines.

- **High Consequence Area (HCA) means:**
  - Ecological USAs
  - Drinking Water USAs
  - Populated Areas – High & Other
  - Commercially Navigable Waterways

- There are numerous existing Ecological USAs in the Coastal Zone of southern Louisiana.
- Ecological USA candidates include:
  - Imperiled species and ecological communities
  - Threatened and endangered species
  - Depleted marine mammals
  - Migratory water bird concentrations

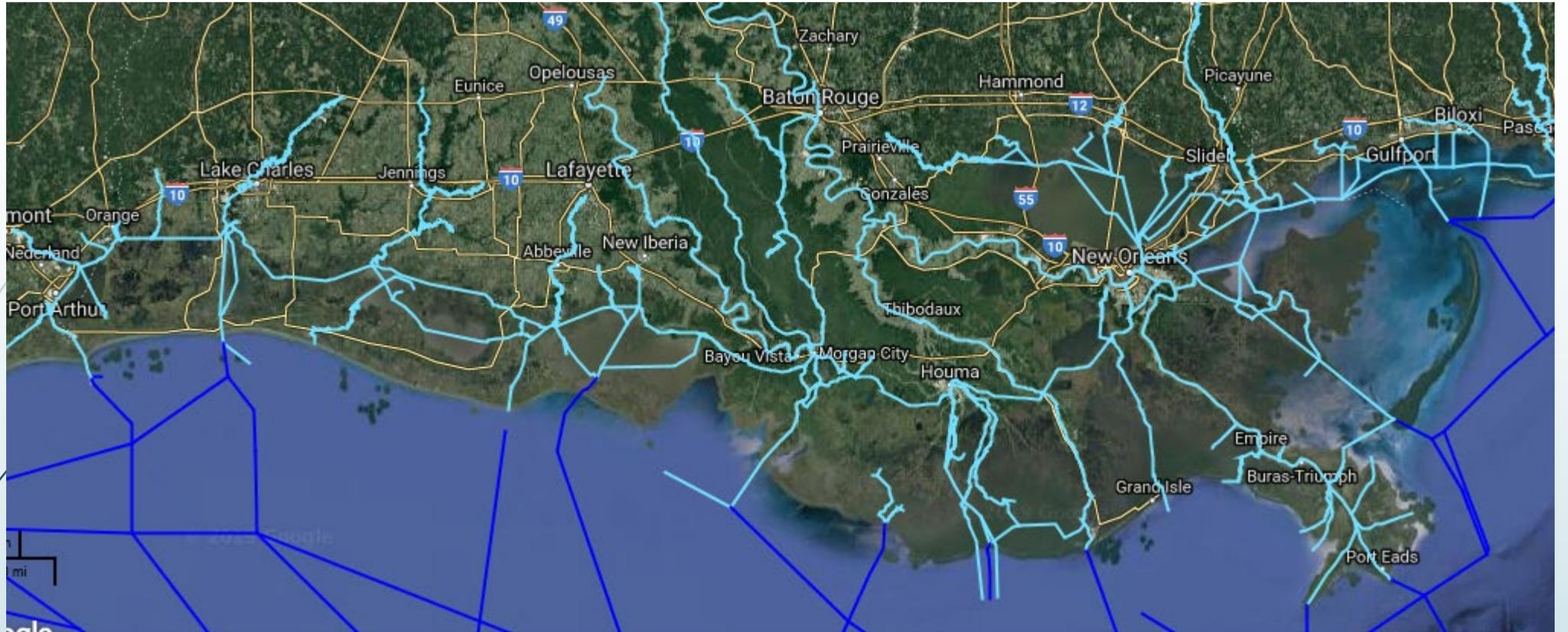
- There are numerous existing Drinking Water USAs in the Coastal Zone of Louisiana as well.
- Drinking Water USAs consist of:
  - Public water systems
  - Source water protection areas
  - Sole source aquifers



► Highly Populated &

► Other Populated Areas

NPMS - National Pipeline Mapping System



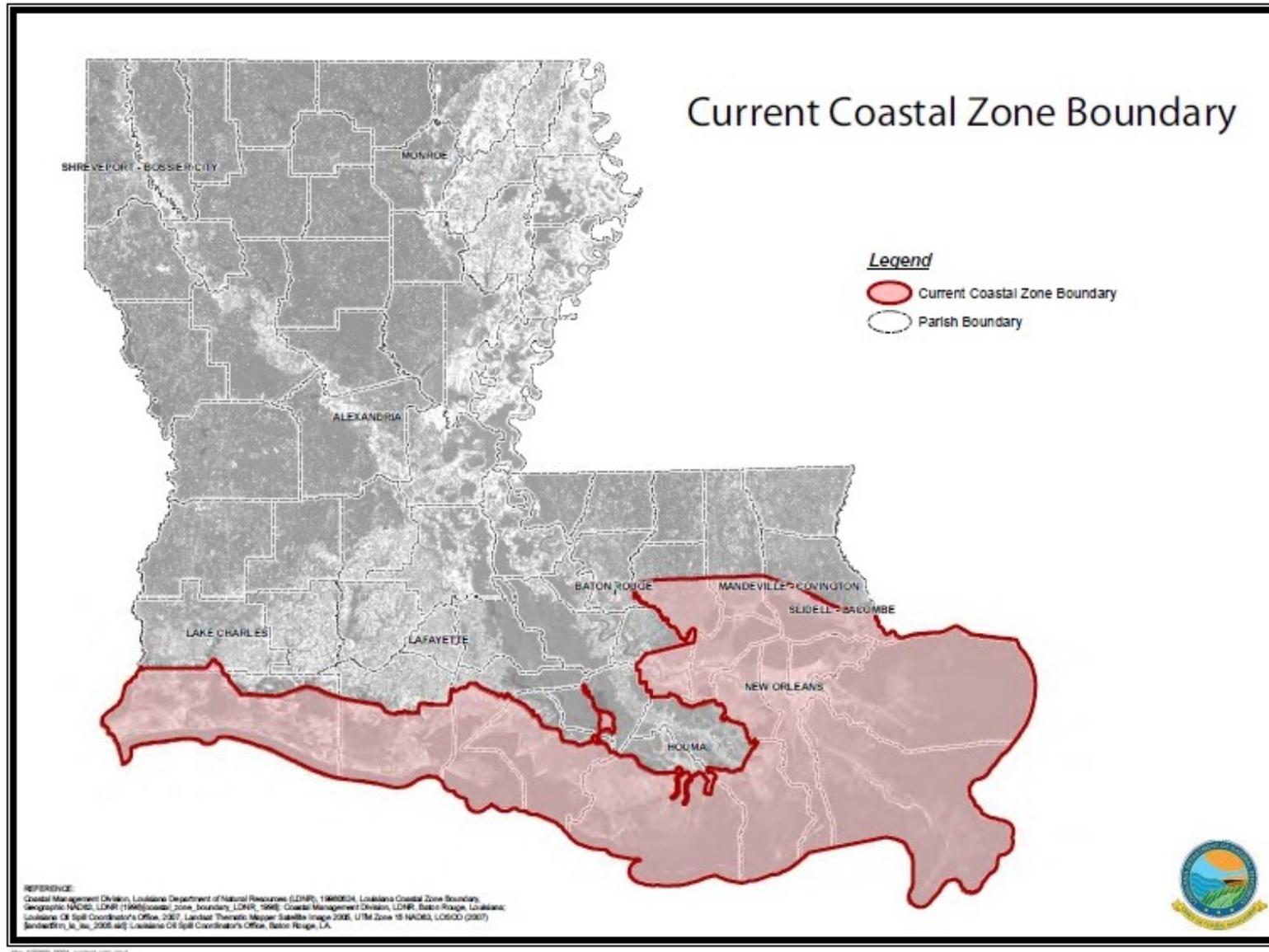
## ► Commercially Navigable Waterways

NPMS - National Pipeline Mapping System



- Pipelines located in the Louisiana Coastal Zone Boundary (black & white dotted line)

Note: Image from LMOGA website



## Louisiana Coastal Zone Boundary



- Louisiana Coastal Zone & Pipelines
- High Consequence Area (HCA) Drivers:
  - USAs, Populated Areas, Navigable Water Ways

Note: Image from LMOGA website

# Effects of a new Marine Coastal Waters definition for Louisiana

Because of the existing HCA drivers and the possible water transport of hazardous liquid releases in southern Louisiana, we expect:

- A minimal increase in pipeline companies new to the Integrity Management regulations, if any.
- A minimal increase in actual pipelines new to the Integrity Management regulations.
- An increase in the assessment mileage of pipelines currently under Integrity Management regulations.

## Marine Coastal Waters Definition

Estuaries, swamps and marshes should be included in the Marine Coastal Waters definition as they are:

- habitats for diverse wildlife species.
- traversed by pipelines frequently.
- difficult to clean up, restore, and mitigate.

# Coastal Beaches and Marine Coastal Waters

- Combine both Coastal Beaches and Marine Coastal Waters into the existing USA Ecological resources.
- Produce a single Coastal Area USA definition and data layer including Coastal Beaches and Marine Coastal Waters .

# Shoreline Sensitivity?

- Shoreline sensitivity will differ by shoreline type.
- The effects on each shoreline type will differ by hazardous liquid product such as:
  - Crude Oil
  - Refined Products - RP
  - Highly Volatile Liquids - HVLs

## Contact Information:

Jacques Rotolo

Louisiana Department of Natural Resources

Email: [Jacques.Rotolo@la.gov](mailto:Jacques.Rotolo@la.gov)

Phone: 225-342-5505