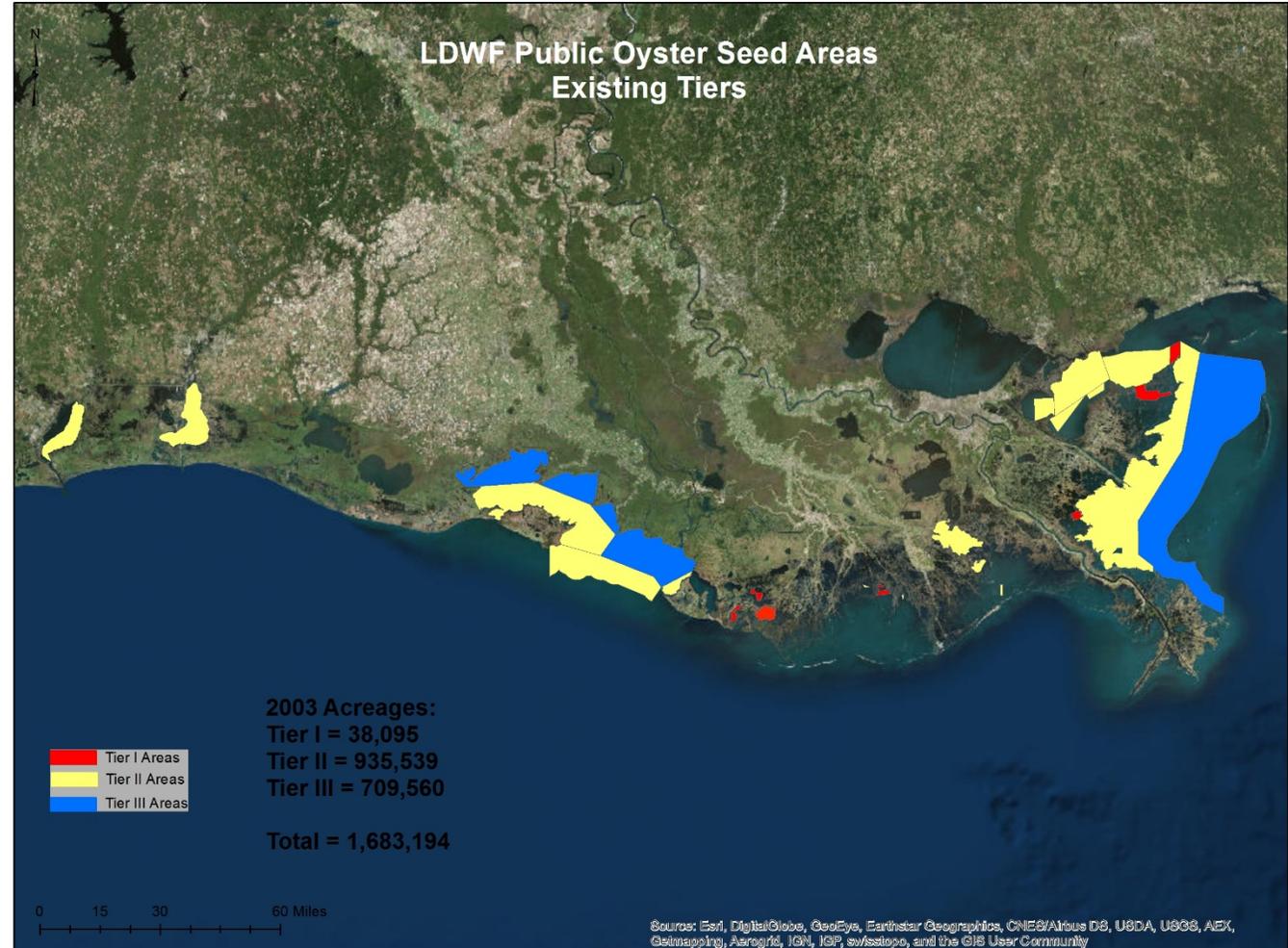


Public Oyster Seed Ground Tier Updates

- Currently, per the 2010 Memorandum of Understanding between LDWF and LDNR, the Public oyster seed grounds are divided into 3 tiers for the purpose of streamlining the Coastal Use Permitting Process:

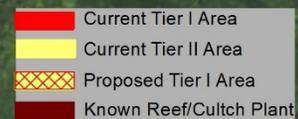
- Tier I – Productive and Highly Sensitive
 - (approx. 38,095 acres)
- Tier II – Productive
 - (approx. 935,539 acres)
- Tier III – Unproductive
 - (approx. 709,560 acres)



- Under this MOU, LDWF is authorized to add, remove, or re-tier areas of the seed grounds as needed every three years.
- LDWF has determined that three specific areas of the seed grounds require re-tiering from Tier II (Productive) to Tier I (Productive and Highly Sensitive) based on side scan and biological sampling data.
- This data indicates that these areas are highly productive for oysters, of benefit to the commercial industry, and have little to no historical oil and gas activity.

Sabine Lake Public Oyster Seed Ground South End Detail

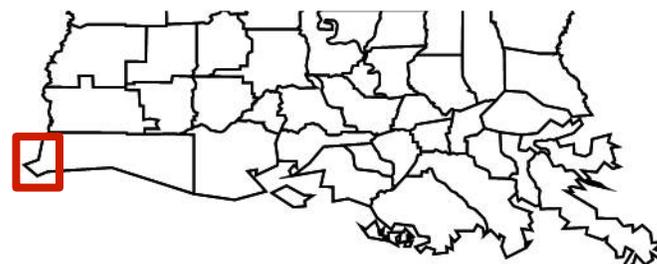
Proposed Tier I Area
Approximately 3,402 Acres



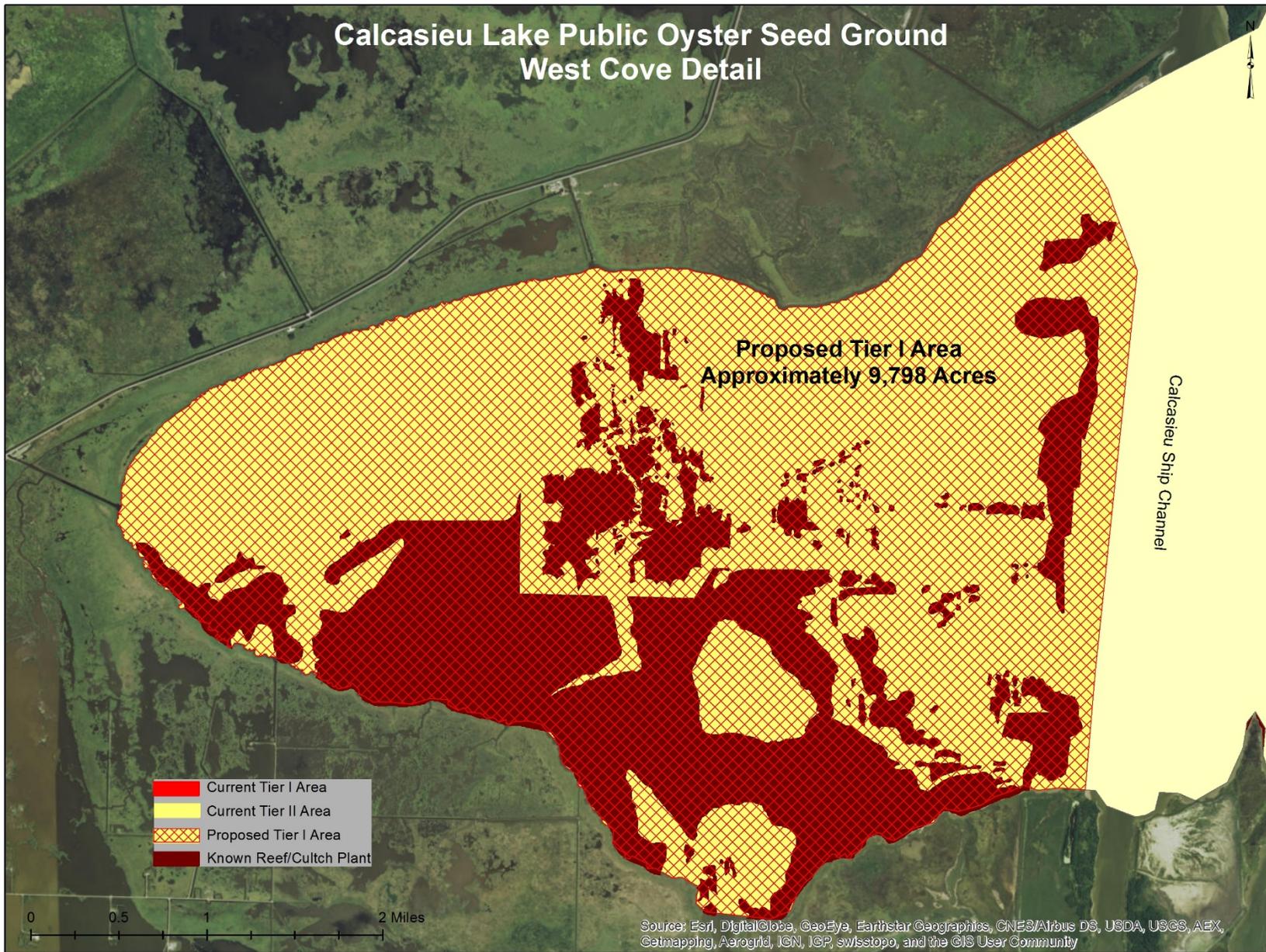
0 0.35 0.7 1.4 Miles

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Geomapping, AeroGRID, IGN, IGP, swisstopo, and the ©S User Community

- Currently, Sabine Lake POSG has a total of 33,909 acres
 - All classified as Tier II
- Proposed Change:
 - 3,402 acres Tier I
 - 30,507 acres Tier II

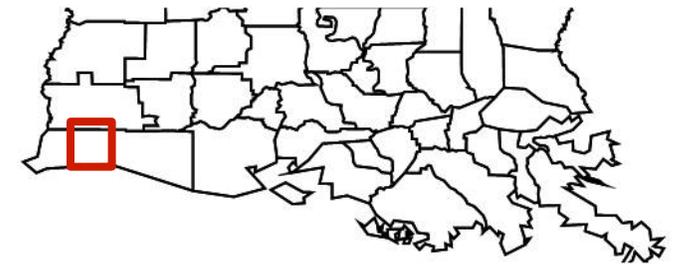


Calcasieu Lake Public Oyster Seed Ground West Cove Detail

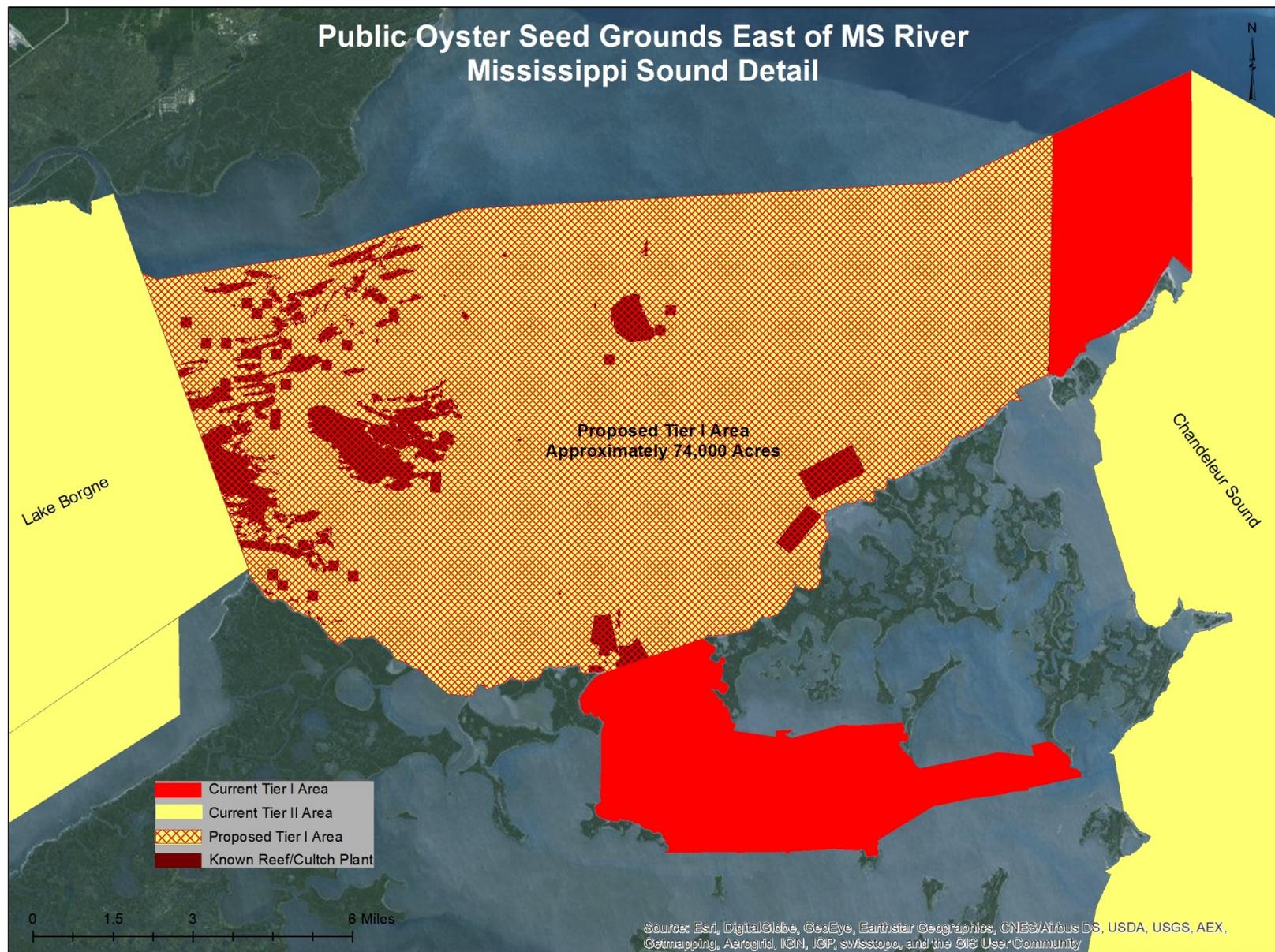


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

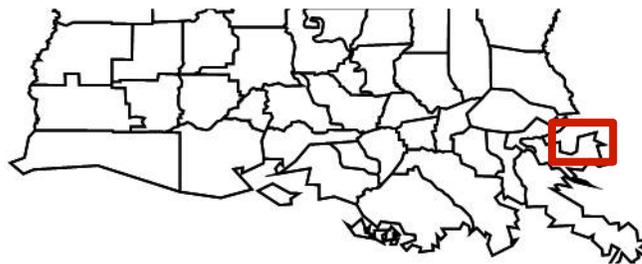
- Currently, Calcasieu Lake POSG has a total of 58,260 acres
 - All classified as Tier II
- Proposed Change:
 - 9,798 acres Tier I
 - 48,462 acres Tier II



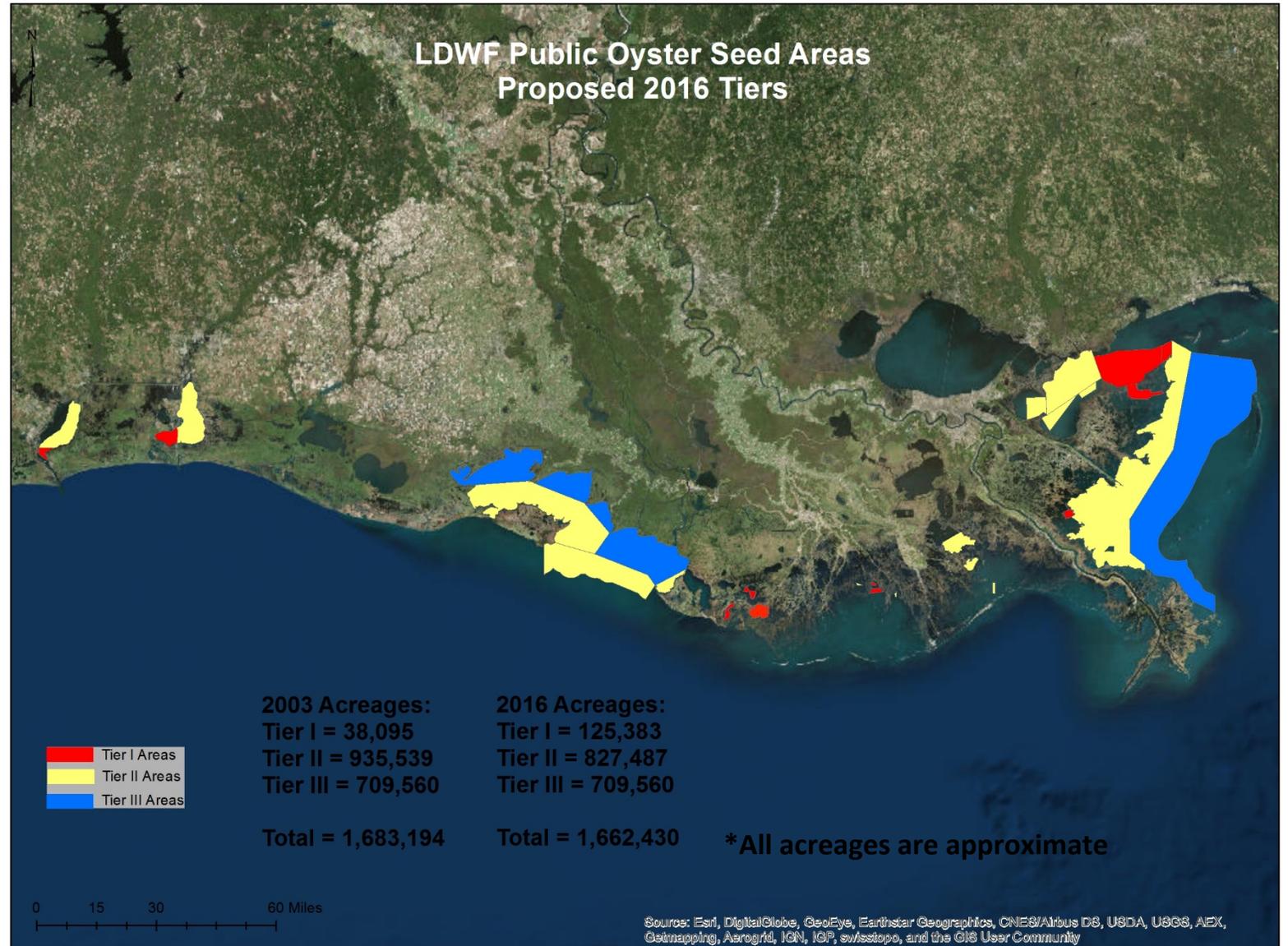
Public Oyster Seed Grounds East of MS River Mississippi Sound Detail



- Currently, Mississippi Sound has a total of 92,749 acres
 - 74,000 classified as Tier II
- Proposed Change:
 - All 92,749 acres Tier I

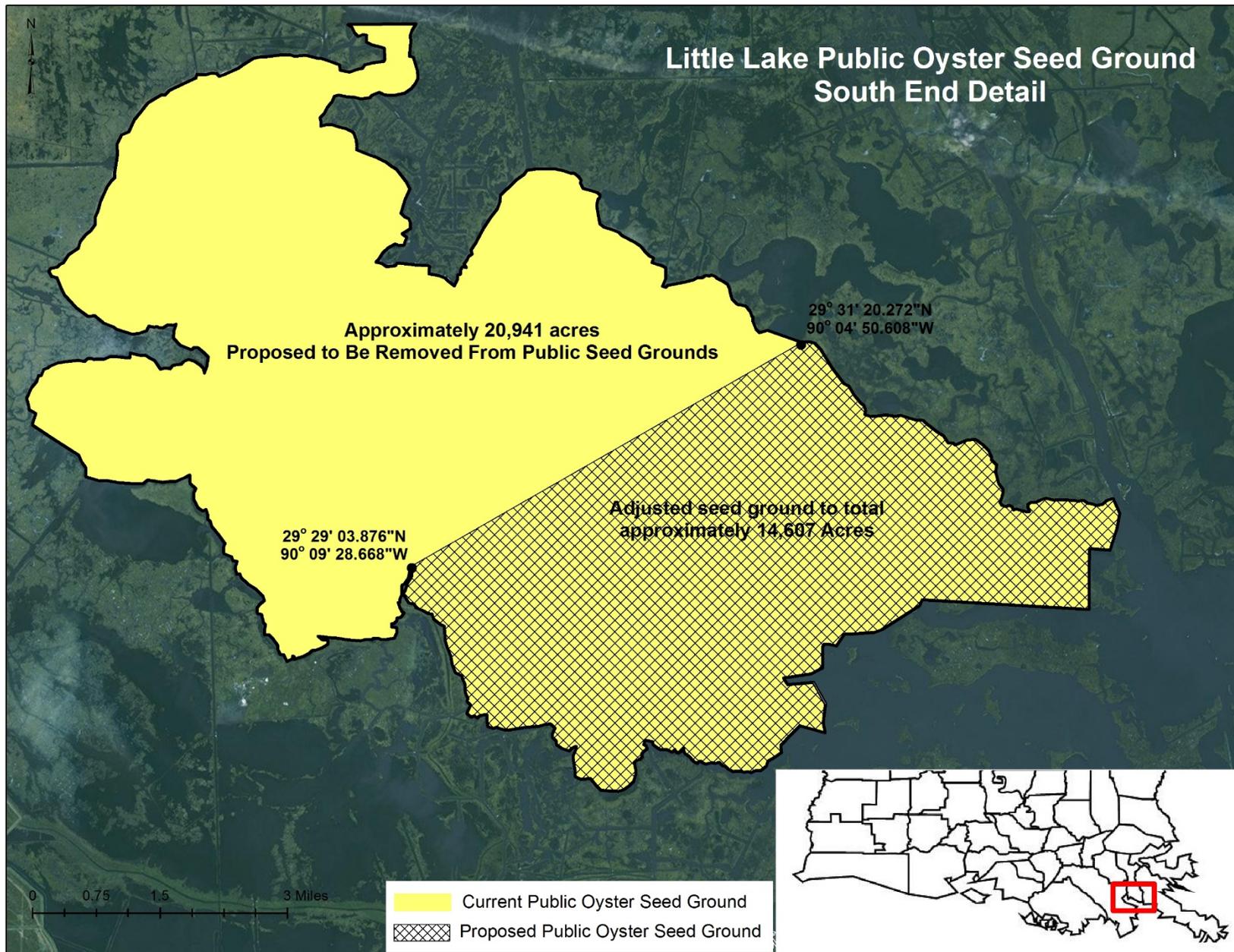


- These changes will enable LDWF to better protect these areas from impact and injury and hold them for the benefit of the oyster industry as per our statutory mandate.
- Will also allow LDWF to provide advance notice of operational requirements to any entity wishing to apply for an oil and gas lease or coastal use permit within these Tier I areas
- LDWF has provided the updated GIS shapefile to LDNR for use on SONRIS effective July 1, 2016



Little Lake POSG Boundary

- In 2007, at the request of the Oyster Task Force, the Wildlife & Fisheries Commission designated the entirety of Little Lake as a Public Oyster Seed Ground to allow the harvest of sack and seed oysters
- Since that time, the northern portion of Little Lake has become unsupportive of oyster growth due to consistently low salinities resulting from Davis Pond, the Intracoastal Waterway, and Rainfall
 - Oyster assessments completed for oil and gas operations as well as coastal restoration projects consistently indicate low salinities and soft mud bottoms



- Currently, Little Lake POSG has a total of 35,548 acres
 - All are classified as Tier II
- Proposed Change:
 - 20,941 acres Undesignated
 - 14,607 will remain Tier II

If approved by the Commission, this change will allow continued harvest of sack and seed oysters from the southern portion of the lake when salinities permit.

It will also allow coastal restoration efforts to continue in the northern portion of the lake without the added regulatory hurdles associated with POSGs.



Public Oyster Seed Ground GIS Updates

- The Public Oyster Seed Grounds and Reservations, as defined in law, follow many shorelines across almost 2 million acres of coastal Louisiana.
- Shoreline erosion over the last decade has made the mapping element (shapefile) that we use inaccurate and, in certain areas, it doesn't match what the law states are seed ground boundaries.

EXAMPLE:

Title 76 of the Louisiana Administrative Code states that the boundary should follow this shoreline but the GIS tool has not been updated to account for erosion.

LAC Title 76, Part VII Chapter 5 §507



EXAMPLE:

Title 76 of the Louisiana Administrative Code states that the boundary should follow this shoreline but the GIS tool has not been updated to account for erosion.

LAC Title 76, Part VII Chapter 5 §513



- LDWF is proposing to update the mapping element (shapefile) for the oyster seed ground and reservation boundaries to follow current shorelines (2015/16 imagery)
- No laws will be changed and all existing boundaries will be respected
 - Oyster Leases, privately owned land, Wildlife Management Areas, Refuges, etc.
- All changes are anticipated to be minor and will help make acreage estimates more accurate and enable LDWF and LDNR to accurately advise permit applicants regarding regulatory requirements for proposed projects
- The updated GIS shapefile is expected to be available by early 2017.

Questions?
