



BOEM Bureau of
Ocean Energy Management

Energy, Transition, & Sustainability: *Making It All Work Together*

Energy Opportunities Conference, 2023
Mexico City

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BOEM Bureau of
Ocean Energy Management

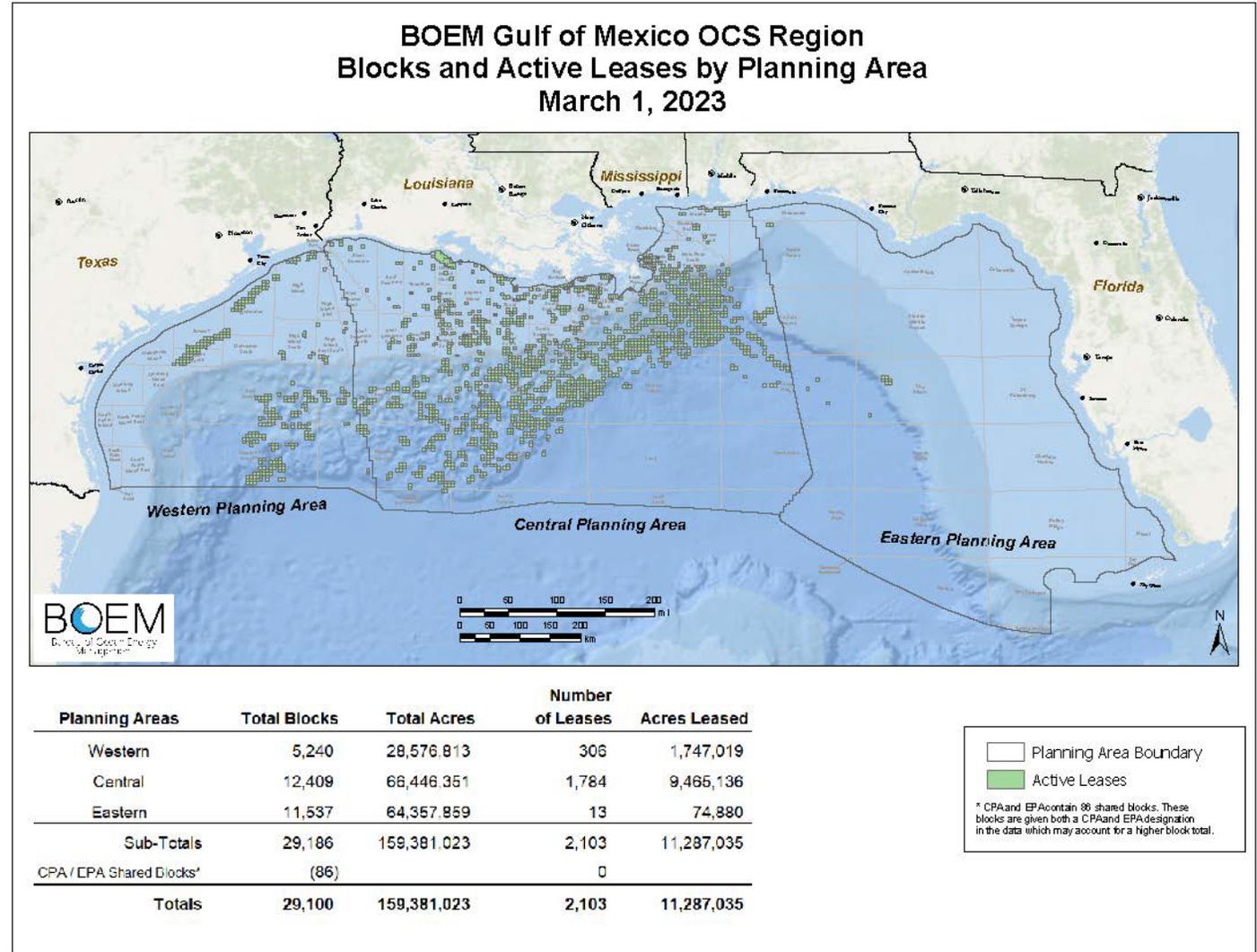
BOEM Mission

To manage development of U.S. Outer Continental Shelf energy and mineral resources in an environmentally and economically responsible way.



The Gulf Of Mexico Is An Energy Basin

Active Oil & Gas Leases in the U.S. Gulf of Mexico





Gulf Of Mexico Oil & Gas Industry Landscape

- 2721 Qualified Individuals & Businesses
- 282 Record Title Owners
- 168 Operating Rights Owners
- 450 Active Lessees
- 87 Active Operators



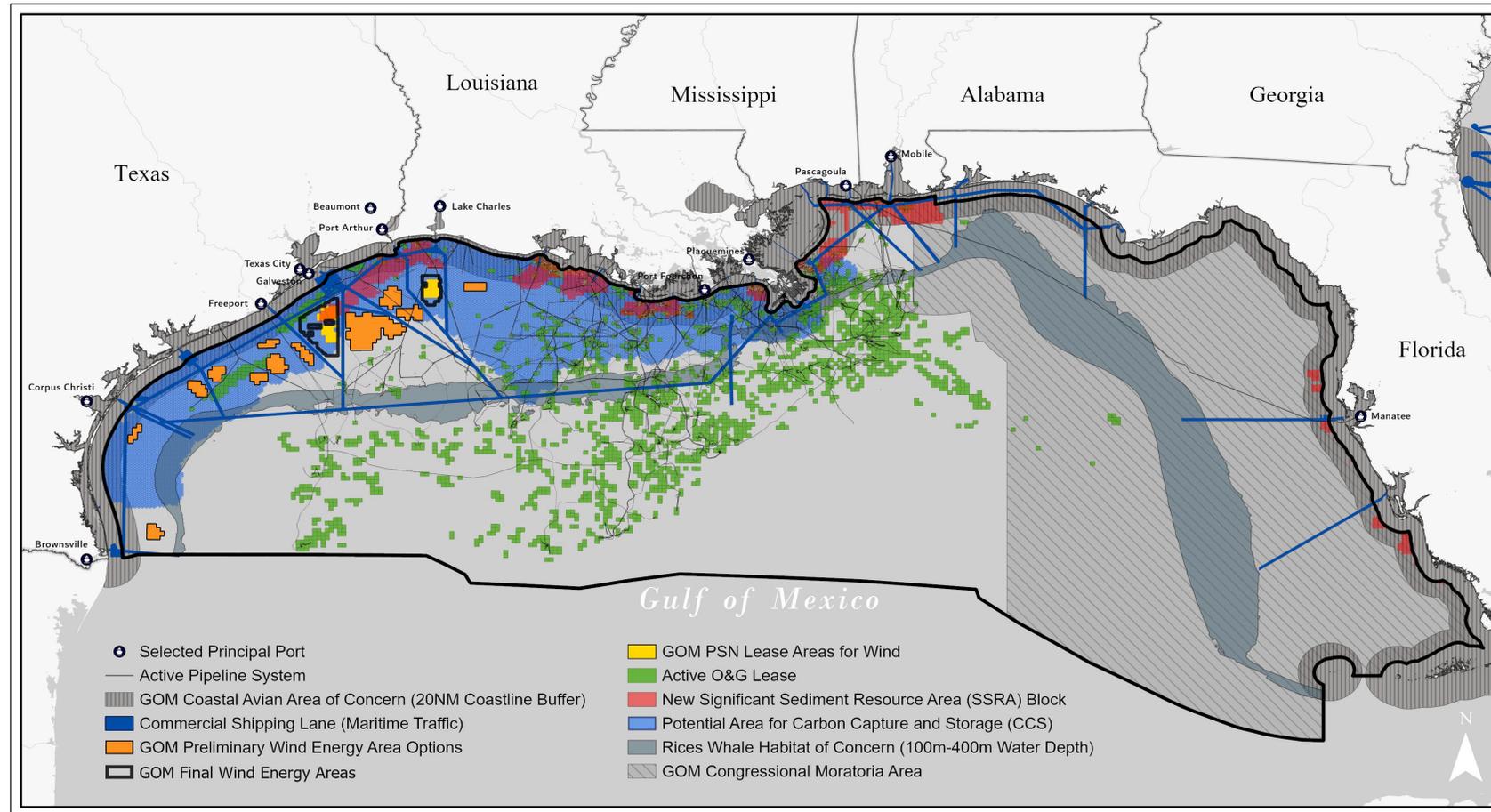
The Gulf Is Also A Multiple Use Area

BOEM's Authorities & Responsibilities:

- Conventional Energy
- Marine Minerals
- Renewable Energy
- Carbon Sequestration

Other Users & Resources:

- Fisheries
- Ecosystem Services
- Transportation/Shipping
- Recreation
- Defense / Security





Gulf Of Mexico Sale 257 - November 17, 2021

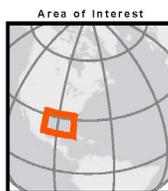
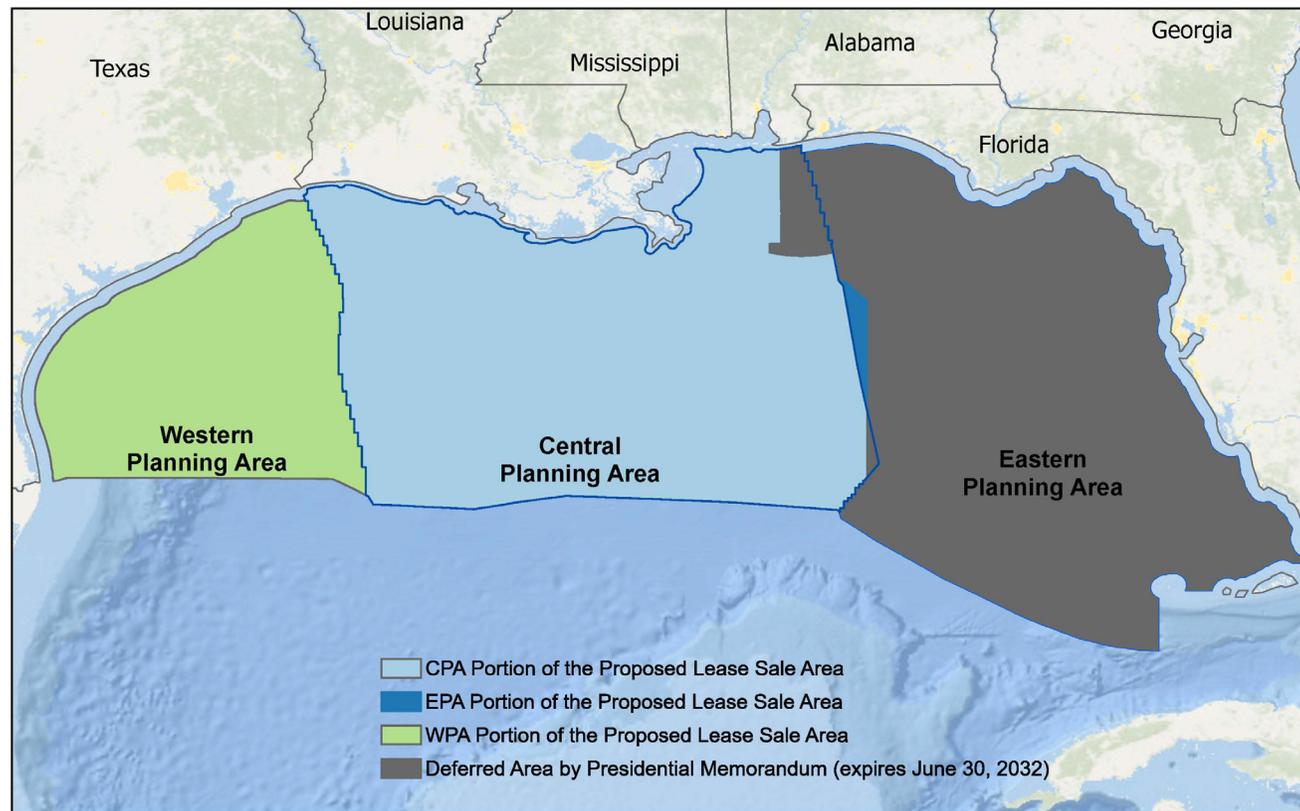
Inflation Reduction Act (IRA) Reinstated Lease Sale 257

Number of Bids Received:	317
Companies submitting bids:	33
Sum of High Bids totaled:	\$191,688,984
Number of Leases Issued	306
Acres Leased	1,711,301

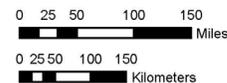


Upcoming U.S. Oil & Gas Lease Sales

- Final Notice of Sale for Oil & Gas Lease Sale 259 Published February 24, 2023
- LS 259 scheduled for March 29, 2023
- Proposed Notice of Sale for Oil & Gas Lease Sale 261
- LS 261 must be conducted before the end of September 2023



Scale 1:610,000
Projection: Albers Equal-Area Conic
Spheroid: Clarke 1866
Central Meridian: -89.17433
Reference Latitude: 27.03441
Standard Parallel: 1: 24.89332
Standard Parallel: 2: 29.17550

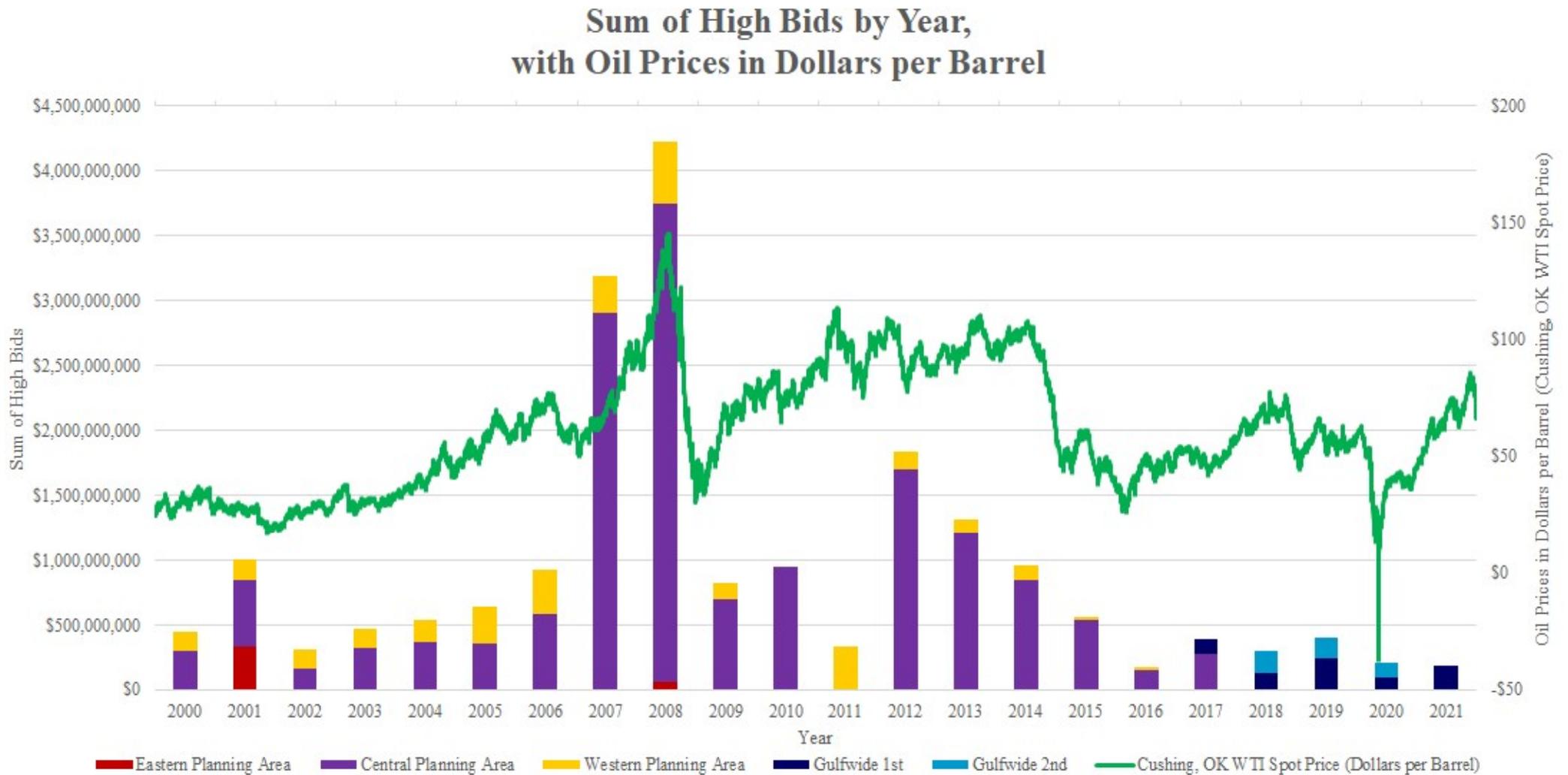


Office of Leasing and Plans - Mapping and Automation Section | MAS2023-71 | 17 November 2022





Trend - High Bids Tied To The Price Of Oil

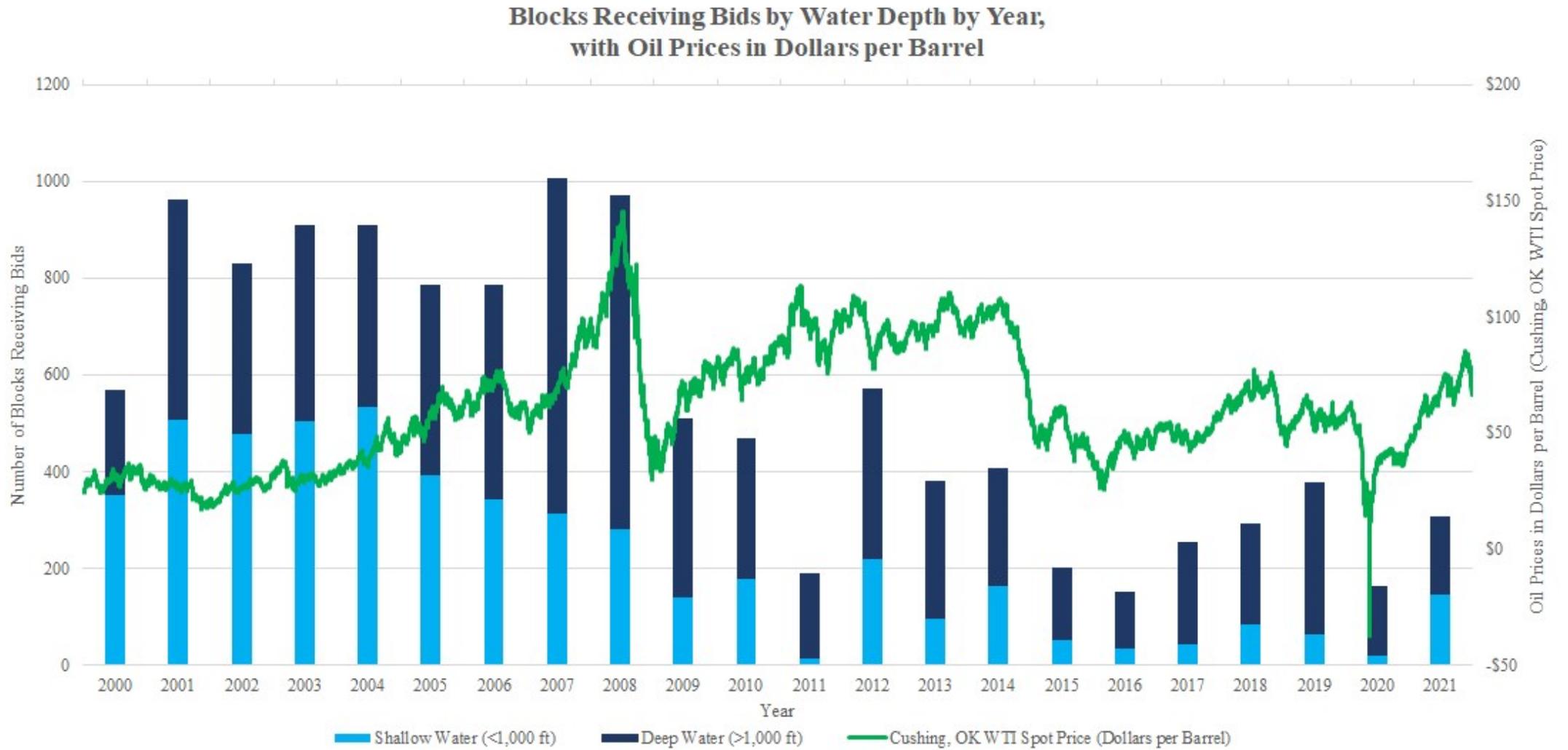


Office of Leasing and Plans - Mapping and Automation Section | MAS2023-141 | 18 January 2023





Trend - Transition From Shallow Water To Deepwater



Office of Leasing and Plans - Mapping and Automation Section | MAS2023-141 | 18 January 2023





Gulf Of Mexico Renewable Energy



Advantages: Proximity to oil & gas supply chain & the leveraging of existing infrastructure





Gulf Of Mexico Renewable Energy



Planning & Analysis

~ 2 YEARS

- Intergovernmental Task Force
- Request for Information or Call for Information and Nominations
- Area Identification
- Environmental Reviews



Leasing

~ 1-2 YEARS

- Publish Leasing Notices
- Conduct Auction or Negotiate Lease Terms
- Issue Lease(s)



Site Assessment

UP TO 5 YEARS

- Site Characterization
- Site Assessment Plan



Construction & Operations

~ 2 YEARS (+25)

- Construction & Operations Plan
- Facility Design Report and Fabrication & Installation Report
- Decommissioning
- Environmental and Technical Reviews





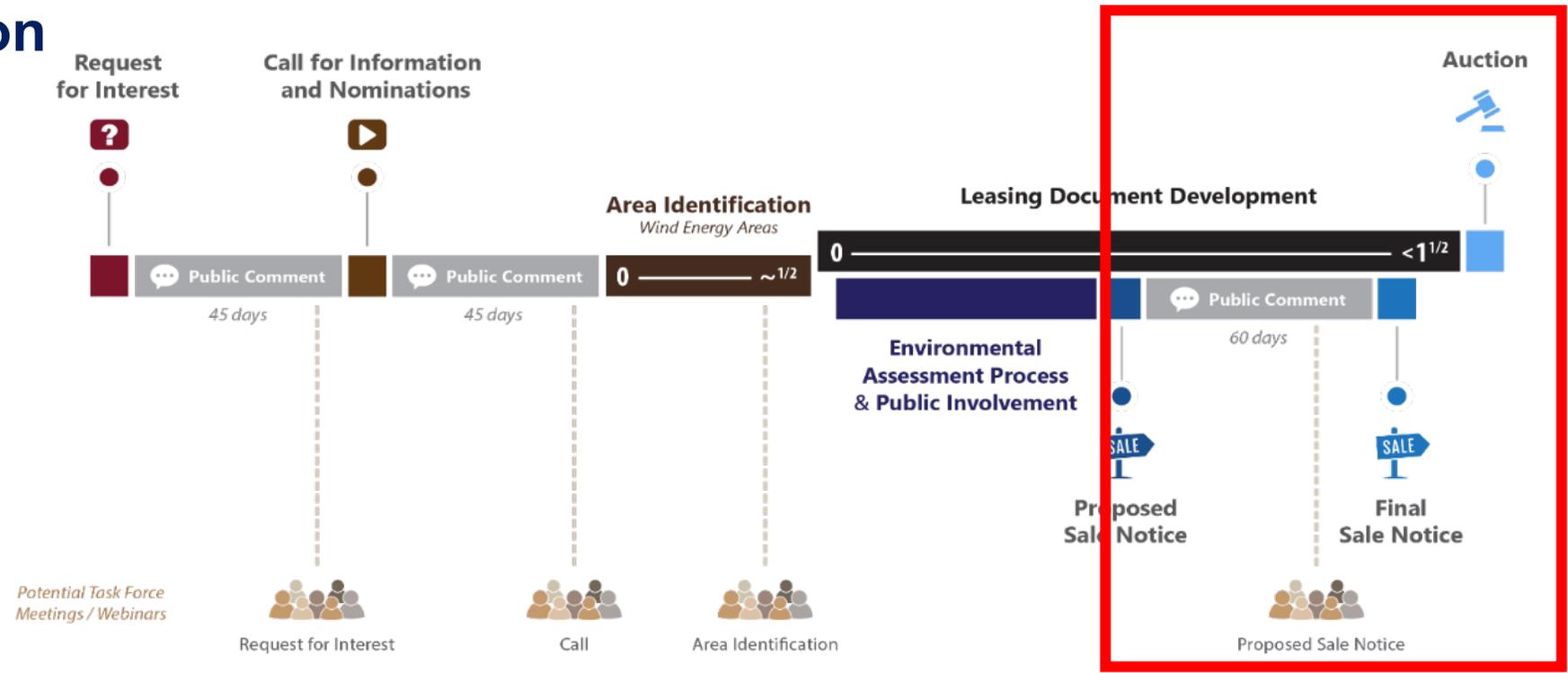
Around The Corner!

Proposed Sale Notice: February 24, 2023

Final Environmental Assessment

Final Sale Notice

Proposed Lease Auction





Proposed Lease Sale Areas

Galveston I: 102,480 acres

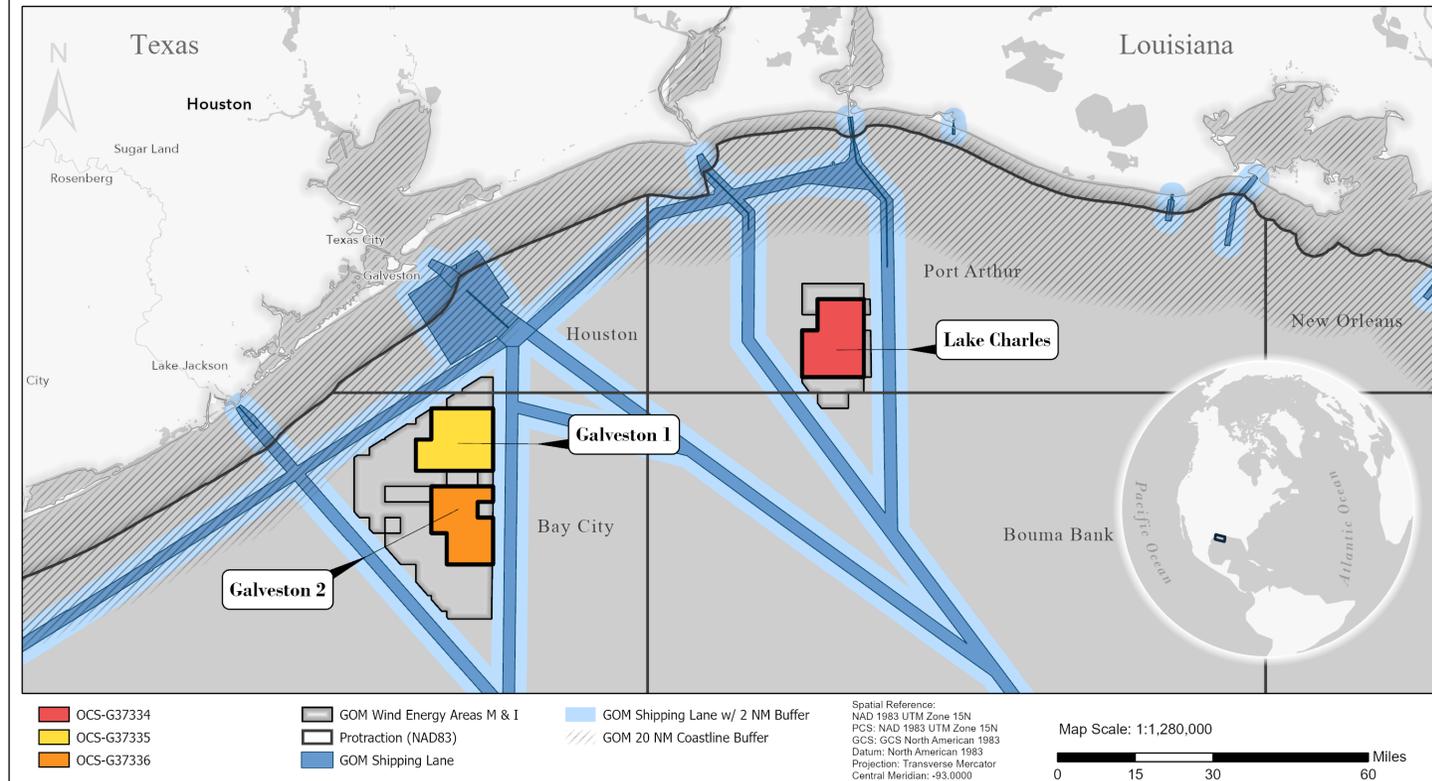
Galveston II: 96,786 acres

Lake Charles: 102,480 acres

Rationale for Proposed Lease Sale Areas:

- Proximity to Shore
- Less than 10% Moderate-High Shrimping
- Reduced Multiple Use Conflicts
- Potential to power 1.3 million homes
- And more.....

GOM Proposed Sale Notice Wind Energy Lease Areas





Marine Minerals Program

Facilitate Access to sediment for Federal, State, & local agencies

Identify & Evaluate sediment resources

Manage Multiple-use Conflicts (e.g., pipelines, telecom cables, navigation, & fisheries)

Supports Research to inform decision-making & manage risk

Provide for Competitive & Noncompetitive Leasing

Critical for:

- Emergency Response
- Coastal Resilience & Restoration
- Onshore Infrastructure
- Reliable/secure Domestic Sources of Critical Minerals
- Local Economies & Tourism





Marine Minerals Program



Pelican Island, Louisiana Dune and Marsh Restoration





Carbon Sequestration – Bipartisan Infrastructure Law (BIL)

November 15, 2021

Authorizes the Secretary of the Interior to...

Grant a lease, easement or right-of-way to:
“provide for, support, or are directly related to the injection of a carbon dioxide stream into sub-seabed geologic formations for the purpose of long-term carbon sequestration.”

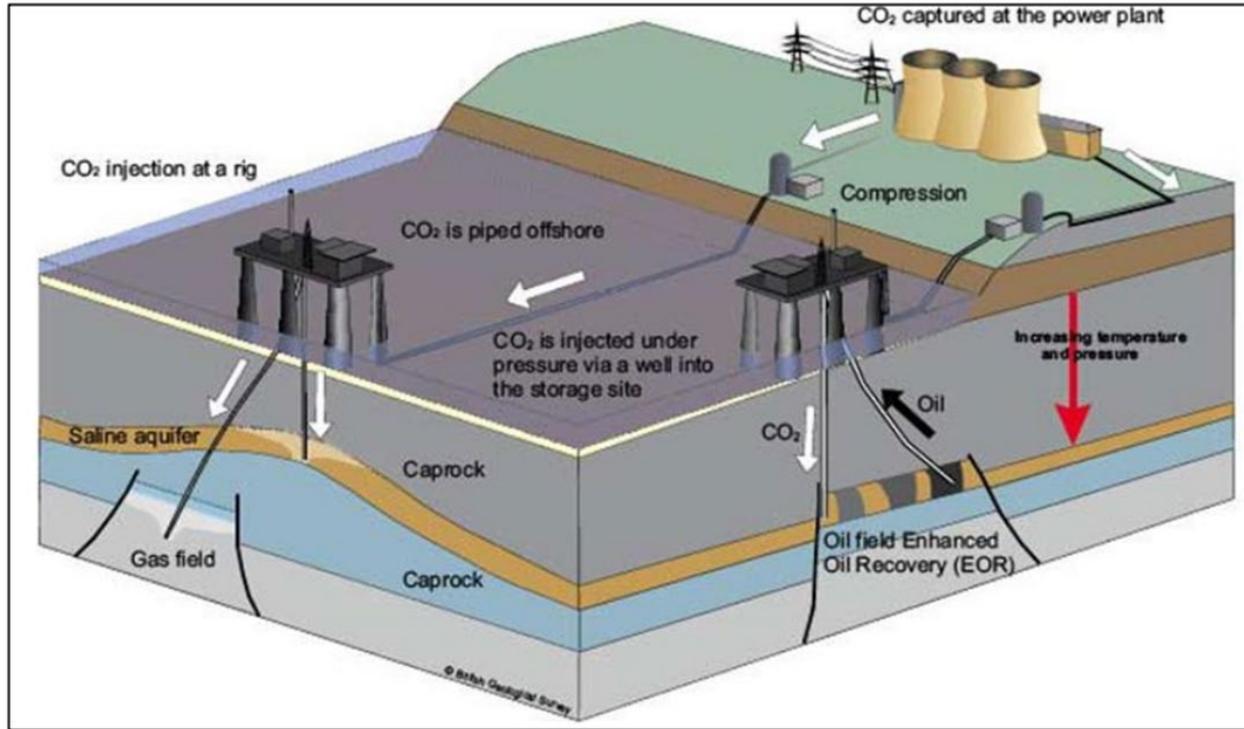
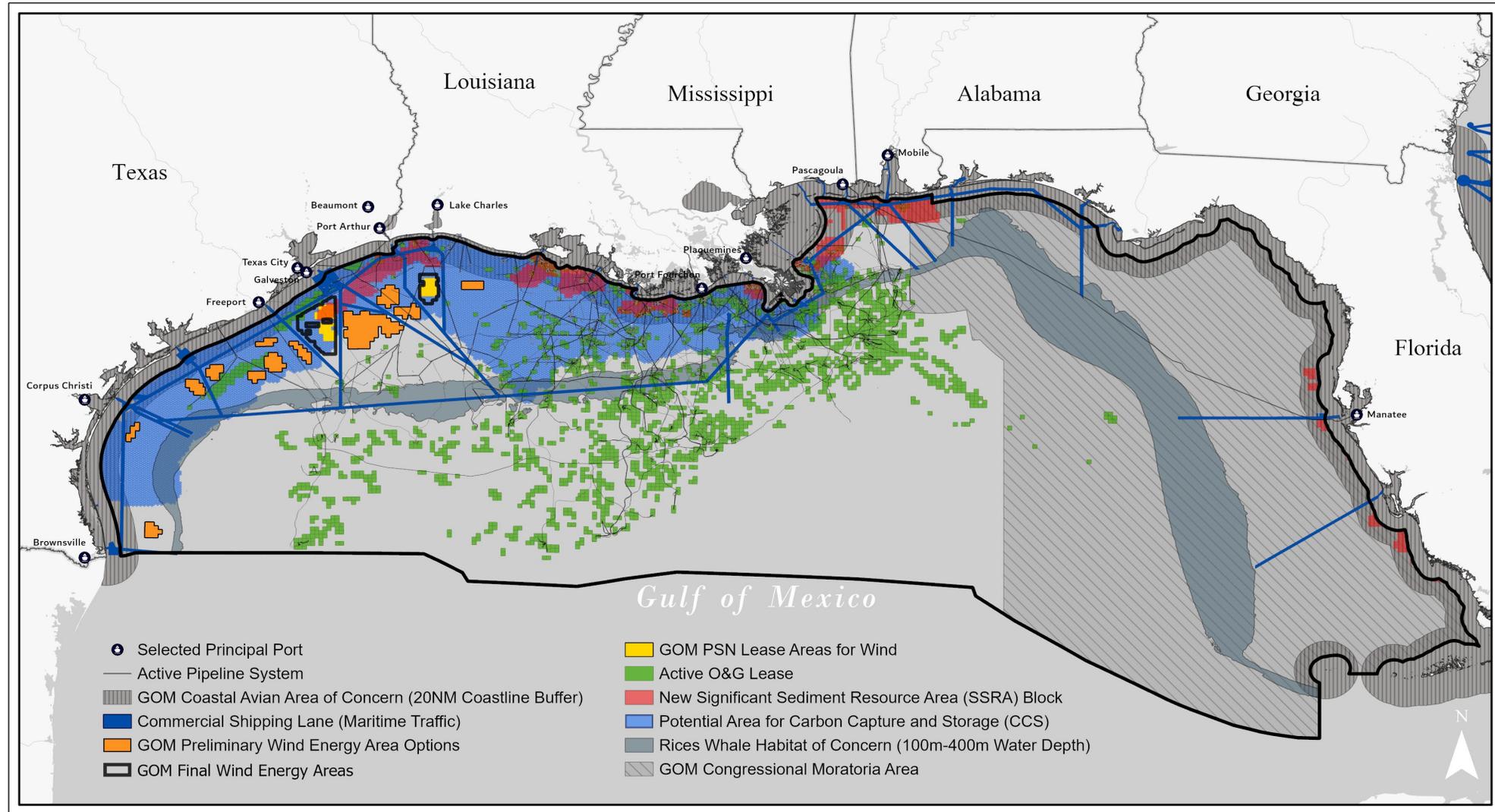


Figure 1-1. Schematic of offshore injection for CO₂ EOR and GS
Source: The Scottish Government, Scottish Centre for Carbon Storage 2009

Rule Making In Progress!



The Bottomline... The Gulf Is A Multiple Use Area



How Do We Address This Multiple Use In Terms of Sustainability ?

Acknowledge & Accept: *Social, Economic, Environmental, Tribal, & International Components*

Recognize & Engage Ocean Users: *All Stakeholders, Tribes, & Partners*

Collaboration: *the Highest Level of Partnership*

Accept: *Change & Transition are Occurring – i.e., Energy Transition*

Build Upon What We Already Know: *Lessons from the Oil & Gas Industry*

Use Best Available Information & Knowledge: *Social, Economic, Tribal, & Environmental*



To Do this We Must

Use Adaptive Management: *Willing to Adapt & Adjust as We Learn*

Map the Different Activities: *Now & for the Future using State-of-the-Art Tools – Modeling, Geographic Information Systems, Artificial Intelligence*

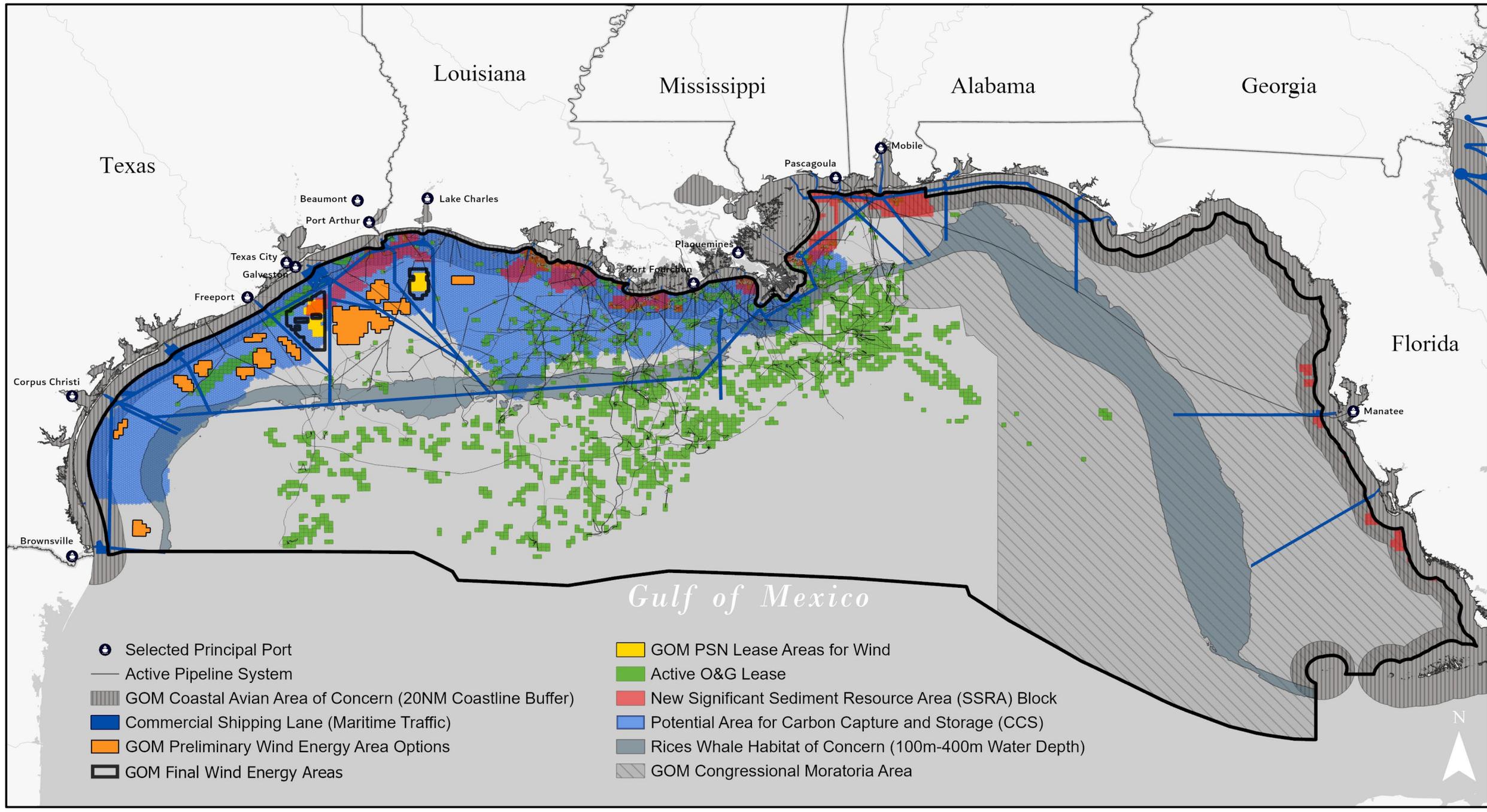
Anticipate, Seek Out, & Address: *Cause & Effect Relationships between Activities; Distinct & Cumulative Impacts; Mitigation Actions*

Ecosystem-Based Approach to Management: *Use the Best Information Pertaining to Ecological, Socioeconomic, & Human Environment.*

We Do Not Manage the Ecosystem;

We Manage Our Activities in the Ecosystem





Texas

Louisiana

Mississippi

Alabama

Georgia

Florida

Gulf of Mexico

⊕ Selected Principal Port

— Active Pipeline System

▨ GOM Coastal Avian Area of Concern (20NM Coastline Buffer)

▬ Commercial Shipping Lane (Maritime Traffic)

▭ GOM Preliminary Wind Energy Area Options

▭ GOM Final Wind Energy Areas

▭ GOM PSN Lease Areas for Wind

▭ Active O&G Lease

▭ New Significant Sediment Resource Area (SSRA) Block

▭ Potential Area for Carbon Capture and Storage (CCS)

▭ Rices Whale Habitat of Concern (100m-400m Water Depth)

▭ GOM Congressional Moratoria Area



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Management

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