



OFFICE OF ATMOSPHERIC PROTECTION

WASHINGTON, D.C. 20460

November 21, 2024

Mr. Jeffrey Pinsky
CV Carbon, LLC
4436 Damasco Cove
League City, Texas 77573

Re: Monitoring, Reporting and Verification (MRV) Plans for CV Carbon, LLC

Dear Mr. Pinsky:

The United States Environmental Protection Agency (EPA) has reviewed the ninety-eight (98) Monitoring, Reporting and Verification (MRV) Plans submitted for CV Carbon, LLC, under 40 CFR Part 98, Subpart RR of the Greenhouse Gas Reporting Program. The EPA is not approving the 98 MRV Plans submitted by CV Carbon, LLC on April 25, 2024 on the basis that the described activities do not meet the source category definition of subpart RR. Per 40 CFR 98.440(a), the geologic sequestration of carbon dioxide (CO₂) source category comprises any well or group of wells that inject a CO₂ stream for long-term containment in subsurface geologic formations. These facilities have no wells that inject CO₂ into subsurface geologic formations and thus are not covered by subpart RR. This decision is effective November 26, 2024 and is appealable to the EPA's Environmental Appeals Board under 40 CFR Part 78.

If you have any questions regarding this determination, please contact me or Melinda Miller of the Greenhouse Gas Reporting Branch at miller.melinda@epa.gov.

Sincerely,

Julius Banks,
Supervisor, Greenhouse Gas Reporting Branch



April 24, 2024

Subject: MRV Plan Submittal to the Environmental Protection Agency

CV Carbon, LLC submits the following report to satisfy the Mandatory Greenhouse Gas Reporting requirements provided under Title 26 Code of Federal Regulations (CFR) 1.45Q-3 for Secure Geological Storage. The report includes the mass balance calculations, the monitoring, reporting, and verification (MRV) plan, the quality assurance and quality control plan, and documentation of the independent review and certification by a professional geoscientist.

CV Carbon, LLC has developed and is administering a carbon capture and storage (CCS) project that uses oyster cultivation to remove Carbon Dioxide (CO₂) from the atmosphere, which is then disposed of in the sediments beneath the cultivated reef, constituting secure geological storage. This Facility is 1 of 189 sites included in the CCS project. The complete list of facilities and their general information is included in Appendix A. A general description of the project's location and the geologic setting is included in Section 2 of the report. Maps of the 189 sites, including this Facility can be found in Appendix B. This Facility and the other 188 sites that are part of this CCS project hold a certificate of representation (included in Appendix C) and I am the Designated Representative.

The following completeness checklist was prepared from *Table 6.1 from the General Technical Support Document for Injection and Geological Sequestration of Carbon Dioxide: Subparts RR and UU*.

Completeness Criteria Check for MRV Plan Submittals

- 1. *The facility holds a certificate of representation (40 CFR 98.448(g)).***

Yes. Certificates of representation for all 189 sites were generated by the e-GGRT and are included in Appendix C of the report.

- 2. *Delineation of the maximum monitoring area and the active monitoring areas as defined in §98.449 (40 CFR 98.448(a)(1))***

The delineation of the maximum monitoring area and the active monitoring area is provided in Section 3.0 (starting at page 11) of the report. Also, a summary of the survey protocols for monitoring can be found in Section 7.0 of the report.

- 3. *Identification of potential surface leakage pathways for CO₂ in the maximum monitoring area and the likelihood, magnitude, and timing, of surface leakage of CO₂ through these pathways (40 CFR 98.448(a)(2)).***

Identification of potential surface leakage pathways for CO₂ in the maximum monitoring areas area and the likelihood, magnitude, and timing, of surface leakage of CO₂ through these pathways is provided in Section 3.4 (starting on page 16) of the report.

4. *A strategy for detecting and quantifying any surface leakage of CO₂ (40 CFR 98.448(a)(4)).*

The strategy for detecting and quantifying any surface leakage of CO₂ is included in Section 4.0 (starting on page 21) of the report.

5. *Summary of considerations to calculate site-specific variables for mass balance equation (40 CFR 98.448(a)(5)).*

The details of the mass balance calculations can be found in Section 6.0 (starting on page 26) of the report. A conceptual model summarizing the considerations is included on page 30 of the report. The mass balance considerations were consistently made to reduce the risk of over reporting the net mass of sequestered CO₂. Equation 1 (page 26 of the report) follows the example provided by Equation RR-12 from 40 CFR 98.443(f)(2). The gross CO₂ sequestration and baselines are determined using a predictive model that was developed using published data which is explained in Section 6.1.2 (starting on page 31) of the report. To ensure the predictive model was used conservatively, the highest sequestration rates were limited to the 75th percentile of predicted annual rates. This provides a 25% contingency to protect against over calculation. The mass balance calculation includes the deduction of the mass of CO₂ that would be potentially released from the biomineralization of the shell and that which is thought to result from increased heterotrophic metabolism associated with restoring oyster habitat. These deductions are conservatively large to reduce the risk of over reporting the net mass of sequestered CO₂. Throughout the report we identify additional areas where this conservative approach is employed. The total GHG emissions associated with the CCS project (habitat restoration, sampling, monitoring, and travel) were determined using the EPA Simplified GHG Emissions Calculator and were deducted from the gross mass of CO₂ sequestered (Equation 5 and Section 6.4, page 38).

6. *If a well is permitted or is to be permitted under the UIC Program, the well identification number in the permit or permit application and the UIC permit class (40 CFR 98.448(a)(6)).*

This method of disposal does not involve injection of any gas or liquid into a well. With this method, there is no risk of endangerment to any underground sources of drinking water. An Underground Injection Control permit is not expected to be required.

7. *If an offshore well is not subject to SDWA, any well identification number and any identification number used for the legal instrument authorizing GS (40 CFR 98.448(a)(6)).*

This method of disposal does not involve injection of any gas or liquid into a well, offshore, or otherwise. Thus, there are no well identification numbers associated with the project. The Facility names reported to the e-GGRT and included in Appendix A are the same as the State Identification Numbers for the Commercial Shellfish Leases which could be used for the legal instrument authorizing the GS.



8. *Proposed date to begin collecting data for calculating total amount sequestered according to equation RR-11 and RR-12 of subpart RR (40 CFR 98.448(a)(7)).*

Data Collection began May 14, 2023. Since data collection is not associated with well injection and involves permissible activities for commercial shellfish lease holders with commercial fishing licenses, data collection began after field testing of the App had completed.

9. *For MRV plan revisions, the reason for resubmission (40 CFR 98.448(d)).*

This is the original submittal.

Sincerely,

A handwritten signature in black ink that reads "Jeffrey Pinsky". The signature is written in a cursive, flowing style.

Jeffrey Pinsky
Designated Facility Representative
CV Carbon, LLC



InControl Technologies

Environmental Consulting and Engineering

A  UES Company

April 19, 2024

Jeff Pinsky
CV Carbon, LLC
10201 S. Autumnleaf Circle,
Magnolia, Texas 77354

Subject: Oyster Count Verification and Certification Document
Geological Disposal of Captured Carbon in Oyster Reefs

Dear Mr. Pinsky,

InControl Technologies, LLC, a UES Company (InContol) was retained by CV Carbon, LLC to provide oversight and verification of the carbon capture and storage (CCS) project that uses oyster cultivation to remove Carbon Dioxide (CO₂) from the atmosphere. InControl is serving a qualified, independent engineer/geologist to provide third-party review, verification, and certification of their CCS project. InControl Technologies is a licensed engineering and geosciences firm in the State of Texas. We employ personnel with Professional Engineering and Geoscience registrations to oversee and manage similar projects. InControl has reviewed and verified the mass balance calculations, the monitoring, reporting, and verification (MRV) plan, and verified that the reported quantities of stored CO₂ are accurate, complete, and have been determined in accordance with sound science and engineering principles.

The project was reviewed by Mr. Michael Marcon, PG, CAPM, a professional geoscientist with specific training in data analysis, data validation and geologic studies. Mr. Marcon was assisted by Dr. James Callahan. Dr. Callahan has degrees in Mathematics and Statistics with a PhD in Computer Science and Numerical Methods. The two reviewed the documents and policies, conducted independent review of the foundational scientific literature and verified the equations used during the CCS project. They also provided input on the verification and quality assurance/quality control processes used to estimate the mass of carbon sequestered in the oyster system. Mr. Marcon and Dr. Callahan have extensive experience in advanced statistical analysis and data modeling. Mr. Marcon also has extensive experience with US EPA Data Quality Objectives, Sampling and Analysis Plans and Data Validation and Verification.

InControl administered and oversaw the quality control program which included the direct observation of 272 replicate verification samples (almost a 2:1 ratio of original to verification samples). In typical compliance monitoring and verification, data validation generally occurs on a 1 in 10 or 1 in 20 frequency. Due to the lack of historical data, the higher validation was selected.

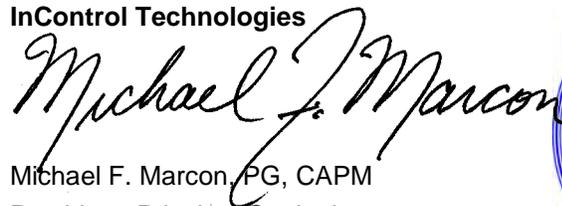
This allowed the program to determine if the customary verification and data validation techniques will be sufficient in the future. Almost 100 percent of the leases were duplicate sampled providing valuable information for the current verification and to help with future reporting requirements.

I certify that the results and methodology have been verified and are consistent with sound scientific policies and procedures. The values reported are true and correct within the normal expected error as determined in the reports.

As always, if you have any comments or questions regarding the information contained within this letter or our involvement in CCS project, please do not hesitate to contact me at (832) 559-5802.

Sincerely,

InControl Technologies



Michael F. Marcon, PG, CAPM
President, Principal Geologist



Texas Registered Geoscience Firm No. 50041
Texas Registered Engineering Firm No. F-2430

April 19, 2024

Geologic disposal of captured carbon dioxide using the eastern oyster (*Crassostrea virginica*).

Mass Balance, MRV Plan, and QA/QC

Jeff Pinsky

CV Carbon LLC

December 15, 2023

Executive Summary

CV Carbon, LLC has developed and is administering a carbon capture and storage (CCS) project that uses oyster cultivation to remove Carbon Dioxide (CO₂) from the atmosphere, which is then disposed of in the sediments beneath the cultivated reef, constituting secure geological storage. The project creates, expands, and enhances oyster habitat within commercial shellfish leases to increase CCS in our bays and estuaries. This report includes the Monitoring, Reporting and Verification (MRV) Plan, description of the mass balance calculations, and the quality control and assurance plan for CV Carbon's method for carbon dioxide capture and disposal.

As required under Title 40 Code of Federal Regulations (CFR) § 98.448, the MRV Plan includes: 1) delineation of the maximum and active monitoring areas; 2) identification of potential surface leakage pathways and the likelihood, magnitude, and timing of surface leakage of carbon dioxide (CO₂) through these pathways within the maximum monitoring area (MMA); 3) a strategy for detecting and quantifying any surface leakage of CO₂; 4) a strategy for establishing the expected baselines for monitoring; and 5) a summary of the CO₂ accounting (mass balance) approach.

The process of oyster cultivation involves the placement of hard substrate also known as cultch material (*e.g.* shells, river rock, limestone, or clean recycled concrete) in portions of bays and estuaries designated for such uses. Once the cultch material is colonized by oyster larvae, the oysters grow and efficiently remove both organic and inorganic carbon at high rates. The carbon captured by the oysters is then either converted to biomass, concentrated waste, and shell. As oyster reefs accrete, much of the captured carbon is trapped and buried in stratified depositional layers beneath the living surface of the reef. The CO₂ accounting method follows the conceptual model for a mass balance approach developed by the U.S. Army Corps of Engineers Research and Development Center (Cercio 2014).

This method of disposal does not involve injection of any gas or liquid and is not part of an enhanced oil or natural gas recovery process. However, oyster cultivation as a CCS method is consistent with the requirements provided in 26 CFR 1.45Q-3 for Secure Geological Storage. Per the regulations, "qualified carbon is considered disposed of by the taxpayer in secure geological storage such that the qualified carbon dioxide does not escape into the atmosphere," and is "in compliance with applicable requirements under 40 CFR part 98 subpart RR."

This report documents those applicable requirements. As this method does not involve injection into a well, there is no risk of endangerment to any underground sources of drinking water. An Underground Injection Control permit is not expected to be required.

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1.0 Introduction

1.1 Purpose and Scope

To present mass balances and a life cycle assessment (LCA) for greenhouse gases (GHGs) captured and stored by oyster beds within commercial leases.

CV Carbon, LLC is working with commercial oyster lease holders to measure and verify the CCS that results from the propagation of their shellfish beds. The intent is to create, expand, and enhance oyster habitat within their leases to increase CCS in our bays and estuaries. Multiple studies have shown that oysters efficiently capture carbon from the atmosphere-ocean system and projects that establish oyster habitat cause a net removal of greenhouse gases which can be used to mitigate climate change (Chambers *et al.* 2018, Fodrie *et al.* 2017, Hurst *et al.* 2022, Veenstra *et al.* 2021, Westbrook *et al.* 2018).

1.2 Oyster background

The project scope is confined to the portions of Bays and Estuaries along the U.S.'s Gulf and East Coasts which have suitable conditions for propagation of the eastern oyster (*Crassostrea virginica*). The eastern oyster is found along the east coast of North America from the Gulf of St. Lawrence in Canada to the Yucatan Peninsula in the Gulf of Mexico (Kilgen and Dugas 1989).

Prolific shell-building, and thus calcium carbonate producing, bivalves have long been recognized as providing important ecosystem services to coastal estuarine and marine ecosystems (Waldbusser 2013). Eastern oysters are ecosystem engineers that deliver a multitude of proven benefits and services including CCS, enhanced water quality, denitrification, shoreline stabilization, fishery enrichment, and they have been shown to boost the productivity of adjacent habitats such as seagrass beds and salt marshes (Coen *et al.* 2007, Grabowski and Peterson 2007, Grabowski *et al.* 2012, La Peyre *et al.* 2019, and Peterson *et al.* 2003).

Unfortunately, oyster reefs are one of the most imperiled habitats in the world; roughly 85% of oyster reef habitat has been lost globally over the past 130 years (Beck *et al.* 2011; Wilberg *et al.* 2011; zu Ermgassen *et al.* 2012). By enhancing some existing areas and building additional oyster reefs, our program seeks to recover many valuable ecosystem services in addition to CCS.

The shallow, well-mixed estuarine waters of the Gulf Coast States, especially the extensive coastal marshes, bays, and bayous of Louisiana, create large areas of optimal subtidal conditions for oysters with sufficient freshwater input for moderating salinities, and adequate tidal exchange for providing food and removing wastes (Gunter 1951). However, natural oyster colonization is restricted by the lack of suitable hard substrate (cultch material) in the environment (La Peyre 2019). Oyster shells are the ideal cultch material but for nearly a century, vast quantities of reefs were mined for their shells which were used as lime for cement production, as roadbed material, in the process of magnesium extraction from seawater, and to manufacture soda ash, paper, and poultry feed (Doran 1965 and Galtsoff 1931). By the early 1970's, the shell mining industry was ending but the effects from the loss of the habitat are lasting. Past shell mining and unregulated commercial practices lead to the current situation

which can be summarized as depleted regarding available hard substrate for oyster colonization (Grabowski and Peterson 2007, Grabowski *et al.* 2012, and Peterson *et al.* 2003b).

Many coastal States in the U.S., have a program for the leasing of State-owned submerged lands for shellfish cultivation. These State lease programs allow the lessee to cultivate oysters by placing clean cultch material (*e.g.* shell, recycled concrete, river rock, or limestone) on the otherwise soft substrate to create oyster habitat. On occasion, the States allow lessees to “seed” areas by transplanting live oysters from nearby reefs. Currently, there are 404,000 acres of commercial oyster leases in Louisiana and 2,321 acres of leases in Texas, all of Texas’ Certificates of Location are in Galveston Bay.

1.3 Sources and Distribution of Carbon Dioxide (CO₂) available for capture by oysters.

The CO₂ in the atmosphere is constantly being exchanged with the global aquatic continuum (streams, rivers, lakes, estuaries, seas, and Oceans). There is consensus among researchers that the atmosphere, ocean, and the terrestrial environment are reservoirs that exchange CO₂ from both natural and anthropogenic sources (DeVries *et al.* 2019, Regnier *et al.* 2013, Cai *et al.* 2006, Lerman & Mackenzie 2005, Sabine *et al.* 2004). Natural atmospheric sources of CO₂ include volcanoes, rock weathering, soil erosion (although several suggest this is exasperated by climate change and anthropogenic land use change), and heterotrophic respiration (DeVries *et al.* 2019 and Li *et al.* 2018). The highest anthropogenic emissions of CO₂ result from fossil-fuel burning, cement manufacturing, and deforestation activities (DeVries *et al.* 2019 and Friedlingstein 2022). Sabine *et al.* (2004) estimates that the oceanic sink accounts for 48% of the total fossil-fuel and cement-manufacturing emissions.

The global ocean-to-atmosphere CO₂ flux is driven by the relative partial pressures of CO₂ (pCO₂) in the water and atmosphere (Cai *et al.* 2006). Continental shelves at mid-high latitudes predominantly receive CO₂ from the atmosphere, and shelves at low latitudes predominantly transfer CO₂ into the atmosphere with some seasonal variation (Cai *et al.* 2006 and Takahshi *et al.* 1993). The aquatic continuum transports CO₂ from terrestrial environments to the ocean where the global currents and upwelling events distribute CO₂ and other inorganic carbonates throughout the oceans (Hauck *et al.* 2020 and Regnier *et al.* 2013).

Individual adult oysters can filter up to 50 gallons of water a day. The oysters capture ambient CO₂ (Hadden and Cherkinsky 2018) and carbonates directly from the water to form the Calcium Carbonate (CaCO₃) that makes up approximately 95% of their shell by mass. The oysters also utilize a portion of their own respired CO₂ to form the CaCO₃ in their shells. By removing CO₂ and carbonates from the water and storing them securely, the oysters decrease the amount of CO₂ available for exchange with the atmosphere (Hurst *et al.* 2022). Simply put, by removing CO₂ and carbonates from the water, the oysters reduce the pCO₂ of the water which increases the relative directional flux of CO₂ from the atmosphere to the ocean. In 1980, while pioneering the use of bomb radiocarbon experiments, Dr. Ellen Druffel (1980) found CO₂ from fossil fuels in the oceans and in the CaCO₃ of marine animals.

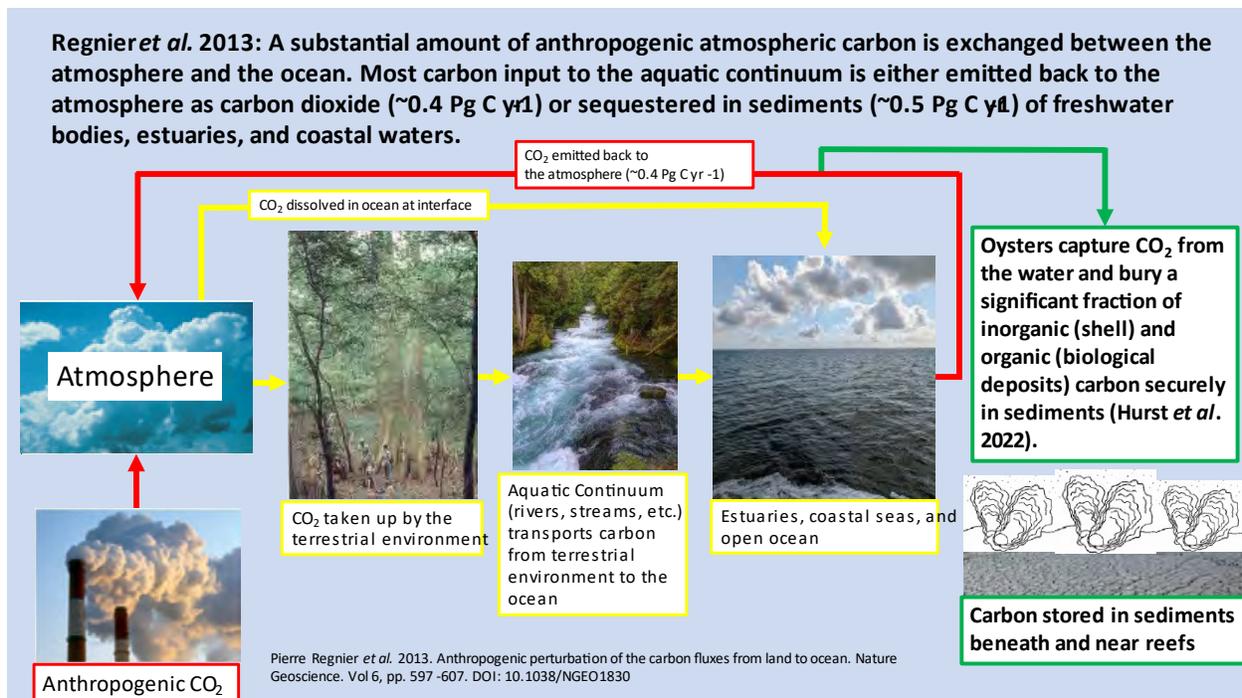


Figure 1. Pathway Summary for CO₂ captured by oysters and sequestered in sediments.

1.4 Geological Storage Pathways with the Eastern Oyster

The success of the oyster form in biogenic carbonate production is illustrated by its long-term presence in the fossil record with comparatively modest morphological change over a wide biogeographic range (Lockwood and Mann 2019). The process of oyster colonization and growth is regenerative with a veneer of living oysters on the outside and layers of accumulated shell, organic material, and sediment that constitutes the subsurface framework of the reef which traps, buries, preserves, and securely stores the captured carbon (Waldbusser *et al.* 2013).

Once the cultch material is colonized, the oysters efficiently remove both organic and inorganic carbon from the water at high rates, which they convert to biomass, concentrated waste (feces and pseudo feces), and shell. As oyster reefs accrete, much of the captured carbon is trapped and buried in stratified depositional sediment layers within and beneath the reef (Fodrie *et al.* 2017). The anoxic conditions in the subsurface framework of oyster reefs are geochemically favorable for calcium carbonate preservation and these conditions exclude boring organisms which protects against the migration of organic carbon (Cai *et al.* 2006, Hu *et al.*, 2011). In addition to reef accretion, studies find that constructed oyster reefs accelerate the rate of deposition (burial rate), and that effect is observed up to 6 meters away from the boundaries of the reef itself (Veenstra *et al.* 2021, Colden *et al.* 2016, and Cannon *et al.* 2022). Veenstra (*et al.* 2021) found the area of increased deposition resulting from the restored reef was more than four times the area of the experimentally constructed reefs in the study.



Figure 2. Cross sections of sediment core samples with side-by-side pictures of the shell material taken by Fodrie *et al.* (2017). This figure is from Supplementary Information provided by Fodrie *et al.* (2017).

1.4.1 Oyster Reefs provide long-term and secure geological storage

By radiocarbon dating samples taken from relic and natural reefs, Fodrie *et al.* (2017) found that the elevated quantities of carbon in the forms of biodeposits and calcium carbonate had been

securely stored for 250 to 4000 years. They showed that the stored carbon dioxide was not liberated from the sediments over this extensive period even with numerous discrete events like hurricanes or floods. Those historical events might bury and kill the living veneer of oysters, but they were not shown to leak any of the stored carbon. Multiple studies also found that buried or dormant reefs quickly start capturing and storing carbon again if restored (Chambers *et al.* 2018, Fodrie *et al.* 2017, Hurst *et al.* 2022, Veenstra *et al.* 2021, and Westbrook *et al.* 2018). This CCS project only reports the annual CO₂ stored after each year and undergoes annual independent verification to maintain data quality.

1.4.2 Biodeposits

By filtering large volumes of water and releasing nutrient-rich biodeposits (feces and pseudofeces), oysters can locally enhance sediment biogeochemical cycling. During feeding, oysters assimilate organic matter to fulfill metabolic requirements and then release both digested and undigested materials in the form of feces and pseudofeces (herein referred to collectively as biodeposits) (Locher *et al.* 2021). Once released, these mucus-bound biodeposits can be consumed by grazers and microbes in the benthos, resuspend back into the water column, or can be buried in sediment for long-term storage (Cerco 2014).

Chambers *et al.* (2018) reported that both the number of live oysters and reef thickness were key variables for explaining how higher densities of oysters mean greater production of biodeposits that can aggregate and settle on reef sediments (Newell *et al.* 2005). As a result, increasing reef thickness creates greater bed roughness to enhance and preserve sediment deposition (Wildish and Kristmanson 1997; Styles 2015). Therefore, the dramatic increases in biogeochemical properties observed by Chambers *et al.* (2018) are strongly related to the density of live oysters (53.0 ± 30.6 per 0.25 m^2) and reef thickness ($109.2 \pm 19.5 \text{ mm}$).

Oyster reefs are considered biogeochemical hot spots because the sediment within the reef systems has disproportionately higher biogeochemical reaction rates than the surrounding sediments (McClain *et al.* 2003). There is strong consensus among researchers that the successful restoration of oyster reefs can rapidly (within 1-year) restore biogeochemical properties within the associated benthic sediments, resulting in significant increases in sedimentary nutrient availability, nutrient burial, and microbially mediated nutrient cycling (Cannon *et al.* 2022; Hurst *et al.* 2022; Locher *et al.* 2021; and Fodrie *et al.* 2017). In turn, this leads to higher CCS.

1.4.3 Biomineralization of Shell

The process by which hard tissues are formed is biomineralisation, which refers to the active process of precipitation of a mineral by an organism (Louis *et al.* 2022). Shell formation in the eastern oyster, is a cell driven process that involves cells from two different tissues: 1) hemocytes (blood cells) of connective tissue origin which also function in immune processes and supply intracellular CaCO₃ crystals to the mineralization front; and 2) outer epithelial cells of

the mantle organ (OME) which secrete the organic constituents of shell (Johnstone *et al.* 2015 and Mount *et al.* 2004).

Gas exchange occurs via the gill plates, one pair on each side, and across their mantles. The mantle is a soft, bisymmetrical membrane that covers the visceral mass. The visceral mass consists of the esophagus, stomach, and intestine embedded in connective tissue. The mantle cavity is filled with seawater, an adaptation to life in the intertidal zone that permits the animal to survive many days of exposure (Galstoff 1964). The adductor muscle controls the opening and closing of two asymmetrical valves.

Adult oyster shells are composed almost entirely of calcite, with aragonite present in the muscle scars and part of the ligament (Kennedy *et al.* 1996). The shells are composed of an outer prismatic layer and an inner foliated layer. The foliated layer has a plywood-like structure consisting of sheets of calcite separated by an organic matrix. The organic matrix, conchiolin, is typically less than 5% of oyster shell weight (Galstoff 1964).

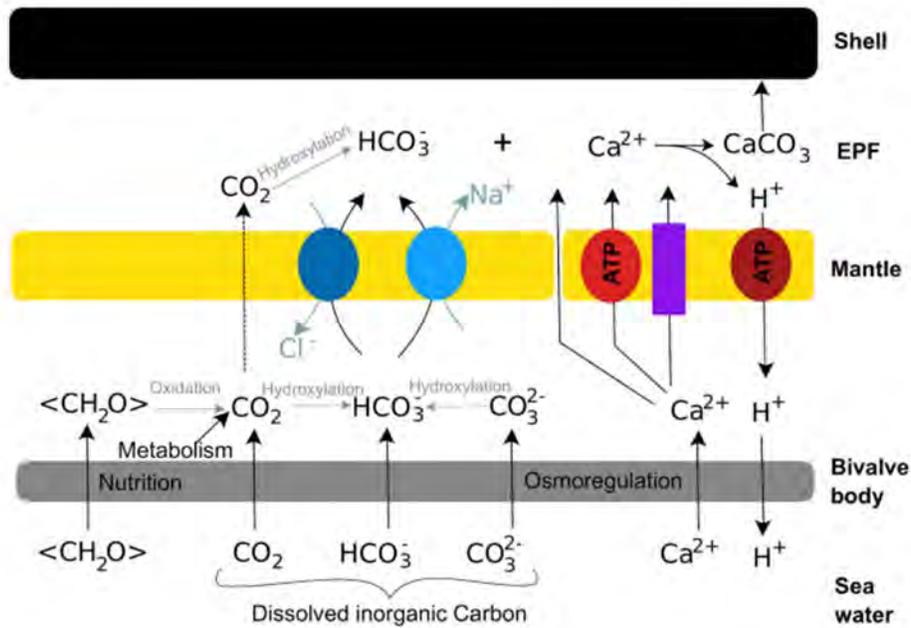


Figure 3. Schematic calcification model of bivalve shell formation (Louis *et al.* 2022).

The source of 85-98% of the carbon in the calcium carbonate matrix is ambient Dissolved Inorganic Carbon (DIC) in the form of Carbon Dioxide (CO_2) and carbonates (HCO_3^- and CO_3^{2-}) with the remaining portion of carbon being derived from Carbon Dioxide produced from metabolic processes within the oyster (Hadden *et al.* 2018 and McConnaughey and Gillikin 2007).

1.5 Organic rich shales are geological formations that contain carbon captured by oysters

The U.S. Department of Energy (DOE) defines geologic storage as the placement of CO₂ into a subsurface formation so that it will remain safely and permanently stored¹. The DOE is investigating five types of underground formations for geologic carbon storage including Saline formations, Oil and natural gas reservoirs, un-minable coal seams, organic rich shales, and basalt formations (Virta 2009). The fossilized remains of oyster have been identified from samples taken from organic rich shales in the Kasserine area (Tunisia, Africa) (Feriani *et al* 2022) and the Makhul Formation in the middle east (Bahman *et al.* 2022). These studies demonstrate that oysters contributed to the development that those geological formations.

2.0 Geologic Setting

The National Oceanic and Atmospheric Administration provides a general geological description of the estuaries of the U.S.² Specifically, bar-built estuaries are common along the Gulf Coast of Texas and Florida, in the Netherlands, and in parts of North Carolina. Good examples are Pamlico Sound in North Carolina, Matagorda Bay in Texas, and the Nauset Barrier Beach System on Cape Cod, Massachusetts

Bar-built or restricted-mouth, estuaries occur when sandbars or barrier islands are built up by ocean waves and currents along coastal areas fed by one or more rivers or streams. The streams or rivers flowing into bar-built estuaries typically have a very low water volume during most of the year. Under these conditions, the bars may grow into barrier beaches or islands and the estuary can become permanently blocked. The area between the coast and the barrier beaches or islands are protected areas of calm water called lagoons.

2.1.1 Galveston Bay

The Galveston Bay estuary is located on the upper Texas Gulf coast, it is composed of four major sub-bays - Galveston, Trinity, East, and West Bays. It is Texas' largest estuary on the Gulf Coast with a total area of 155,399 hectares (384,000 acres) and 1,885 km (1,171 miles) of shoreline (Handley et al. 2013). The volume of the bay has increased over the past 50 years due to subsidence, dredging, and sea level rise (Handley et al. 2013). Outside of ship channels, the maximum depth is only 3.7 m (12 ft), with the average depth ranging from 1.2 m (4 ft) to 2.4 m (8 ft) - even shallower in areas with widespread oyster reefs (Lester and Gonzalez, 2002). The tidal range is less than 0.9 m (3 ft), but water levels and circulation are highly influenced by wind. The estuary was formed in a drowned river delta, and its bayous were once channels of the Brazos and Trinity Rivers. Today, the watersheds surrounding the Trinity and San Jacinto Rivers, along with many other smaller bayous, feed into the bay Handley et al. 2013). The entire Galveston Bay watershed is 85,470 km² (33,000 miles²) large (Figure 1). Galveston Island, a 5,000-year-old sand bar that lies at the western edge of the bay's opening into the Gulf of

¹ <https://netl.doe.gov/carbon-management/carbon-storage/faqs/carbon-storage-faqs#:~:text=Geologic%20storage%20is%20defined%20as,Oil%20and%20natural%20gas%20reservoirs>

² https://oceanservice.noaa.gov/education/tutorial_estuaries/est04_geology.html

Mexico, impedes the freshwater flow of the Trinity and San Jacinto Rivers into the Gulf, the majority of which comes from the Trinity. The Bolivar Peninsula lies at the eastern edge of the bay's opening into the Gulf. Water flows into the Gulf at Bolivar Roads, between Galveston Island and Bolivar Peninsula, and at San Luis Pass, between the western side of Galveston Island and Follets Island.

Sedimentary deposits of two ages dominate the surficial geology surrounding the bays (Wermund et al. 1989). Deposits of the most recent interglacial period of the Pleistocene epoch include 1) river sands and flood basin muds of a deltaic plain, and 2) sands of a barrier island system. Modern (Holocene) sediments that entrench and overlie the older strata are fine sand and mud in rivers and bayhead deltas; mud in the bays; oyster reefs in the bays; and sand composing the youngest barrier islands. Sediment samples, collected a mile apart, are mud in most of the bays; samples coarsen shoreward where sand and reworked shell (gravel) dominate. Geochemical analyses of sediment samples indicate that abnormally high concentrations of barium, boron, chromium, copper, lead, nickel, and zinc are products of anthropogenic activities and pollutants.

2.1.2 Coastal Louisiana

The information in this Section on geologic formations and landforms was summarized from the book: Landforms of the Louisiana Coastal Plain (Snead, McCulloh, and Heinrich 2019).

The Gulf Coastal Plain in its broadest sense refers to the vast band of young, low-lying landscapes extending from Louisiana east into the Florida panhandle and west through Texas and Mexico around the Gulf to Yucatan. It is continuous with the Mississippi embayment to the north and with the Atlantic Coastal Plain to the east and northeast. The coastal plain province contains an inner zone of ancient coastal deposits and an outer zone of more recent coastal plain deposits.

The Mississippi River Delta is the terminus for the tremendous amount of sediment transported over time by the Mississippi River where it reaches the sea. It contains 37 percent of the nation's estuarine marsh. The delta plain consists of several individual delta complexes. Each of the delta complexes went through a natural life cycle from initiation through growth and aggradation eventually leading to overextension, abandonment, and subsidence accompanied by the initiation of a new course.

Material transported over time by the Mississippi River system and by smaller rivers and streams dominates sediment in the coastal plain. It consists largely of clay, sand, and gravel in varying combinations and proportions, with significant organic matter in the wetland areas.

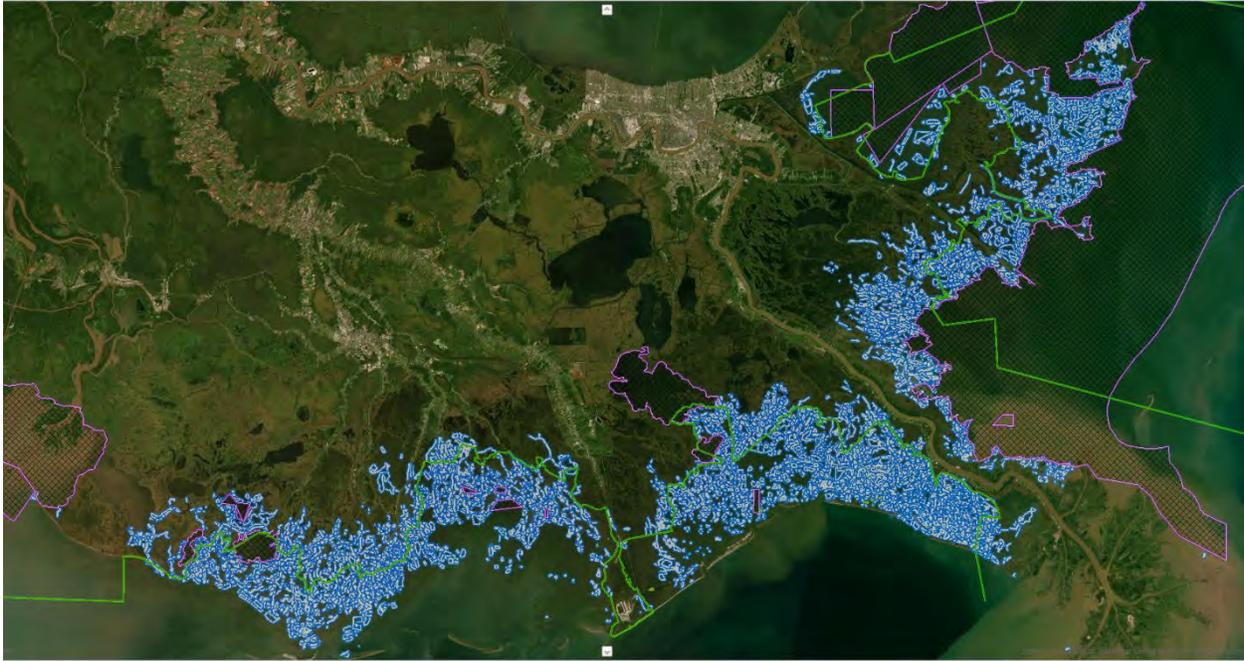


Figure 4. Louisiana Shellfish Leases for Saint Mary, Terreboone, Lafourche, Jefferson, Plaquemines, and Saint Bernard Parishes.

The Louisiana Department of Wildlife and Fisheries (LDWF) divides the State’s coastal bays into six coastal study areas (CSAs). The hydrologic and geological descriptions presented below were summarized from the LDWF 2021 Stock Assessment Report of the Public Oyster Seed Grounds and Reservations of Louisiana. In Louisiana, there are approximately 404,000 acres of private oyster leases that are managed by leaseholders. In general, the Louisiana Gulf Coast is comprised of a series of mesohaline bay with a substrate primarily made up of soft silt, sands, or clay bottom.

CSA 1 North: (North Pontchartrain Basin) consist of approximately 690,000 acres of water bottom located within Lake Borgne, the Louisiana portion of Mississippi Sound, Chandeleur Sound, the Biloxi Marsh, and adjacent waters.

CSA 1 South: South (South Pontchartrain Basin), formerly CSA 2, consist of approximately 300,000 acres of water bottom located from the Mississippi River Gulf Outlet (MRGO) southward to South Pass in the Mississippi River delta and eastward from the eastern extent of private oyster leases east of the Mississippi River to the Breton National Wildlife Refuge. Hydrology in the area is influenced at high Mississippi River stages by discharges through gaps in the Mississippi River levee south of Pointe a la Hache and through the Bohemia Spillway, discharge from the Caernarvon and Bayou LaMoque freshwater diversion structures, and main-stem river distributaries in the southern portion of the Basin.

CSA 3: contains numerous oyster leases and includes the Barataria Basin which includes several minor bays. The Barataria Basin watershed is co-extensive with United States Geological Survey (USGS) 8-digit hydrologic unit code (HUC) 08090301, which is identified under the USGS system

of classification as the Eastern Central Louisiana Coastal Watershed. The USGS HUC system is a national hierarchical hydrologic unit dataset based on topographic and hydrologic features across the US and its territories (USGS, 1994)

Hackberry Bay, adjacent to Barataria Bay in Jefferson and Lafourche parishes, is a 4,402-acre mesohaline embayment with a primarily soft silt and clay bottom of which only 14.7 acres is naturally occurring reef material.

Oyster habitat suitability for the Barataria-area is highly influenced by the Mississippi River discharge and the Davis Pond diversion discharge. In Hackberry Bay, salinities averaged 9.9ppt with a range of 3.7ppt to 17.3ppt (Figure 3.6) from July 2020 to June 2021. The average salinity for June 2021 was 3.8ppt, which remained below the long-term monthly June average 7.9 ppt. Salinities in the Barataria Bay averaged 18.5ppt with a range of 8.9ppt to 25.1ppt from July 2020 to June 2021 (Figure 3.6). The average June Salinity was 12.0 ppt, which was below the long-term monthly June average of 13.7ppt.

CSA 5: is comprised of the Terrebonne Basin from Bayou Lafourche west to the Atchafalaya River, including Terrebonne Bay, Timbalier Bay, Sister Lake, Lake Mechant, and Caillou Bay. Sister Lake, Bay Junop, and Lake Mechant are in the western Terrebonne Basin; Deep Lake, Lake Felicity, Lake Chien, and Lake Tambour are found in the eastern Terrebonne Basin. Salinities in Tambour, Chien, Felicity, and Deep Lake are consistently at a higher range than what is considered tolerable for oyster production, but future planned coastal freshwater diversion projects may return the area to a more favorable salinity regime. The bottom shoreline of Sister Lake continues to erode creating more sedimentation over once productive oyster reefs and causing increased salinities which introduce an increasing number of natural oyster predators. Temperature and salinity measurements collected in July averaged 27.8°C and 11.0 ppt, respectively, in the eastern Terrebonne Basin, and 28.3°C and 9.6 ppt in the western Terrebonne Basin.

CSA 6: The Vermilion/East and West Cote Blanche/Atchafalaya Bays complex is a large, primarily open-water brackish system. Primary influences on the bays' dynamic salinity regime are the Gulf of Mexico, Atchafalaya River and the adjacent Wax Lake Outlet, and the Vermilion River. In general, freshwater discharge from the Atchafalaya River highly influences oyster productivity within CSA 6. Independent of local rainfall, biologists have noted a historical negative correlation between increased Atchafalaya River flow and reduced salinity levels in the bay system. Typically, oyster reproduction occurs in the fall after the river stage abates, with oysters growing to seed size (1 inch to less than 3 inches) by the following spring. However, spring and early summer floodwaters depress salinities.

CSA 7: is located in Southwest Louisiana, from the Louisiana/Texas state line to Freshwater Bayou in Vermilion Parish. It is comprised of Calcasieu and Mermentau River basins and the eastern portion of the Sabine River Basin. No State leases currently exist in Sabine and Calcasieu Lakes.

3.0 Delineation of monitoring areas and timeframes.

3.1 Delineation of the maximum monitoring area

The maximum and active monitoring areas are confined to the lease boundaries for each of the commercial shellfish bed leases included in the CCS program. A complete list of leases, lease holders, and maps showing the locations of the leases included in the CCS program are attached to this report. Annual monitoring reports will document any new leases added to the program for that reporting year. The agreement between CV Carbon LLC and the commercial lease holder provides CV Carbon with 15 years of monitoring capability and must be transferred with the sale of leases. The maximum and active monitoring areas are restricted to the lease boundaries because the lease holders are only permitted to sample and cultivate oyster beds within the discrete boundaries of their leases. Furthermore, this CCS program only claims credit for the Carbon Dioxide captured and stored within the boundaries of the commercial leases. The claimed CCS quantities are limited to the commercial lease boundaries by using GIS software to restrict the calculated geologic storage to the area within the geographical limit of the commercial leases. As a result, monitoring beyond the limit of the lease boundaries is not as useful for ensuring the continued secure storage of the mass of Carbon Dioxide stored by the CCS project.

3.1.1 Background on leakage pathways for CO₂ stored in sediments

Leakage pathways for CO₂ stored in sediments as biodeposits and as shells are different than that of injecting liquid or gaseous CO₂ into a well. Projects that inject CO₂ into wells require monitoring and detection across an area sufficient to identify a surface CO₂ plume or underground migration. Multiple physical and geologic factors affect the spatial potential for leakage for well injection projects and thus the monitoring area must be sufficiently scaled. Whereas sediment deposition is a continual process where stored CO₂ becomes increasingly covered over time by more material. Since biodeposits and shell material are solids that are denser than water, they do not have the same physical ability to migrate like a liquid or gas. As a result, sediment mobilization is the predominant pathway for potential leakage of CO₂ stored in sediments by oysters.

In summary, the combination of deposition and the continual regeneration of a hardened living facade on the surface of an oyster reef, provides secure long-term storage for the biodeposits and shell material in a highly stable sediment matrix. Anoxic conditions that exist beneath the sediment surface create an inert environment free of burrowing organisms and chemical processes which is ideal for long-term secure storage of the biodeposits and the shell material (Powell *et al.* 2012b and Pace *et al.* 2020).

Similar to how terrestrial erosion has been shown to reintroduce CO₂ back in the atmosphere (EPA 2022), sediment mobilization is the primary pathway for leakage because it reintroduces the stored biodeposits and shell material to processes in the water column that potentially could return them to the atmosphere as CO₂. Specifically, CO₂ stored as biodeposits would be

exposed to heterotrophic processes and the shells (carbon stored in the form of CaCO_3) to dissolution, both of which could result in conversion back to CO_2 which can be released back into the atmosphere. Sediments mobilization pathways, both natural and anthropogenic, are discussed in detail in Section 3.1. Natural events that could cause sediment mobilization include tidal currents, hurricanes, floods, or seismic activity. Anthropogenic activities that can lead to sediment mobilization include projects like the installation of pipelines, construction of oil and gas wells, excavation for constructing new navigation channels, and accidental vessel groundings.

3.1.2 Oyster reefs provide long-term and secure subsurface storage for carbon.

Studies demonstrate that the carbon stored in sediments by oysters is securely stored for long durations. Fodrie *et al.* (2017) sampled sediments from nineteen separate 10- to 14-year-old experimentally constructed reefs, natural reefs, and relic reefs, and found similar elevated amounts of carbon stored in the sediments of each type of reef. Their radiocarbon dating experiments then revealed that the natural reefs ranged in age from 45 to 263 years before present (BP) and the relic reef was 4,147-4,436 years BP (Fodrie *et al.* 2017). Fodrie *et al.* (2017) concluded that the consistency in the quantity of elevated carbon between the experimentally constructed reefs, the natural reefs, and the relic reef suggests that the carbon in the sediments had been securely stored for centuries in the case of the natural reefs and millennia in the case of the relic reef. All the reefs sampled by Fodrie *et al.* (2017) were exposed to natural processes like tides, hurricanes, and floods. It is likely that some amount of carbon is transported away because of those natural processes but by using the scientifically measured carbon values from the sediments, those natural processes are accounted for in the CV Carbon Method. Since the natural pathways are accounted for, the Monitoring focuses on the anthropogenic pathways.

3.1.3 Oyster reefs provide storage that is resilient to natural discrete events.

Regarding the potential for natural extreme events (Hurricanes and Floods) to cause mobilization of oyster reef sediments, Chowdhury *et al.* (2021) identified multiple reports that confirm oysters, and the reefs they create, are resilient to major storm events which makes them ideal for incorporation in nature based coastal defense projects. Moreover, Hanke *et al.* (2021) and Haby *et al.* (2009) investigated the damage caused by hurricanes (Ike in 2008 and Harvey in 2017, Cat 4 near Rockport, Texas) and floods (Harvey in 2017, flood event draining to the Galveston Bay Basin) and found that storms led to massive sediment deposition and burial rather than wave driven benthic disturbance. Du *et al.* (2019) confirmed this finding, they determined that Hurricane Harvey caused an average of 10.5 cm of newly deposited sediment, with some areas exceeding 50 cm, burying 70% of the oyster reefs in the Galveston Bay estuary. Similarly, Mr. Chew (2005) reported that Hurricanes Katrina and Rita, which struck southern Louisiana in 2005, buried large amounts of oysters from deposition of sediments and eroded marsh. While the increased wave energies and water velocities associated with hurricanes and floods would seem to pose a threat that could mobilize sediments within oyster reefs,

experimental evidence suggests that very high energy storms (Hurricane Category 4 and 5), bury reefs rather than mobilizing their sediments.

3.1.4 Monitoring for anthropogenic activities

Fortunately, most anthropogenic activities involve advance notice and coordination with lease holders because they require review and permitting from the U.S. Army Corps of Engineers (USACE) (under the authorities of Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act) and State Agencies before they can proceed. This means that there is high confidence that almost all of the anthropogenic activities that could lead to leakage will be identified and the extent of disturbance can be accurately measured. If a lease included in the CV Carbon CCS program cannot be avoided by one of the activities, a recovery plan to offset the mobilized carbon from the activity will be implemented (details included in Section 4.2). The plan must ensure that adequate offsets for the lost CO₂ capture are accounted.

3.1.5 The amount of carbon captured and stored by the CCS project exceeds the amount claimed.

While several studies have shown that oyster reefs facilitate carbon burial in sediments beyond the limits of a reef, the CV Carbon Method only measures, calculates, and reports the net mass of carbon dioxide stored in sediments within the boundaries of the commercial leases. With these constraints in place, and by actively monitoring within the leases, the risk of underreporting leakage is fully mitigated, and any additional sequestration is an unclaimed benefit.

A study conducted by Veenstra *et al.* (2021) demonstrates that oysters increase carbon burial and deposition well beyond the boundaries of the reefs. Four years after Veenstra *et al.* (2021) constructed their experimental reefs, they sampled sediments from various distances away from the reefs. They found that the area sampled with an organic carbon accumulation rate higher than 100 gCarbon·m⁻²yr⁻¹ (~1.48 MtCO₂acre⁻¹yr⁻¹) was 90 m², which was more than two times as large as the area of the constructed oyster reefs including the gaps between them (Veenstra *et al.* 2021). Figure 1 is from the Veenstra *et al.* (2021) paper, it illustrates that the 100 gCarbon·m⁻²yr⁻¹ contour ranged from about 3- to >6-meters outward from the boundary of the reef. Also, in *Figure 1.*, the edge of Reef 4 had 700 gCarbon·m⁻²yr⁻¹ (~10.4 MtCO₂acre⁻¹yr⁻¹) and that was only measuring organic carbon, meaning that the value would be even higher (2-3 times higher using proportions of inorganic-organic carbon found in Fodrie *et al.* 2017) if the inorganic carbon in the shell was also included. Veenstra *et al.* (2021) also found that fine sediment accumulation was much higher in the areas around the reef. Specifically, they found that the area with fine sediment accumulation greater than 2 cm (179 m²), was more than four times the area of the constructed reefs themselves (40 m²). Figure 2. shows the results from Veenstra *et al.* (2021) for the areas with elevated sediment deposition. The experimental reefs constructed by Veenstra *et al.* (2021) are relatively small (40 m²) in comparison to those found on many commercial leases which can reach 100 acres in size (~404,686 m²) so while it is uncertain if those results are scalable, it is highly certain that the oysters propagated within the

commercial leases facilitate carbon burial and storage beyond the boundaries of the reefs which frequently extends beyond the limits of the leases and are CCS benefits resulting from the oyster cultivation that are not claimed.

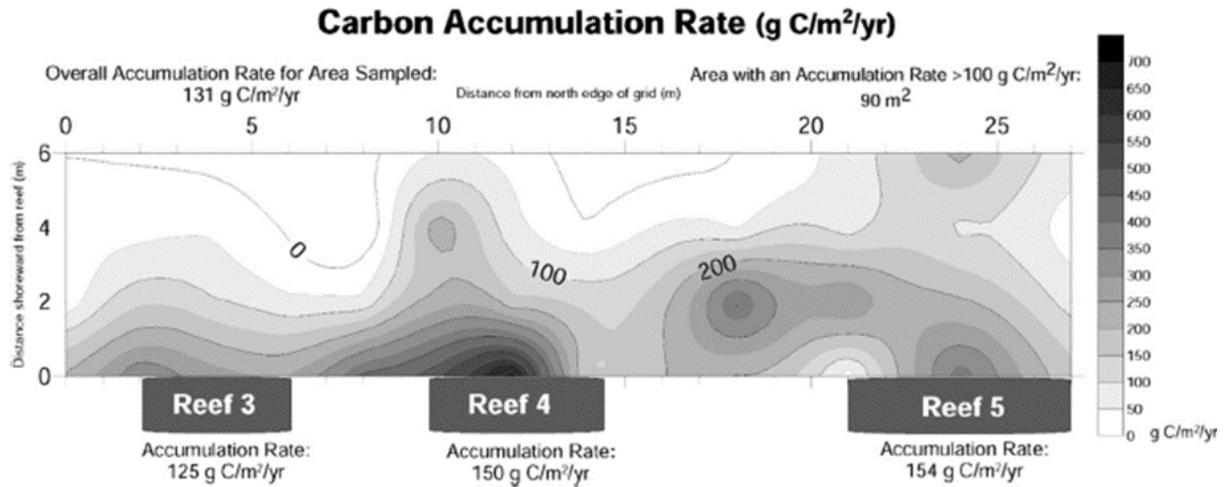


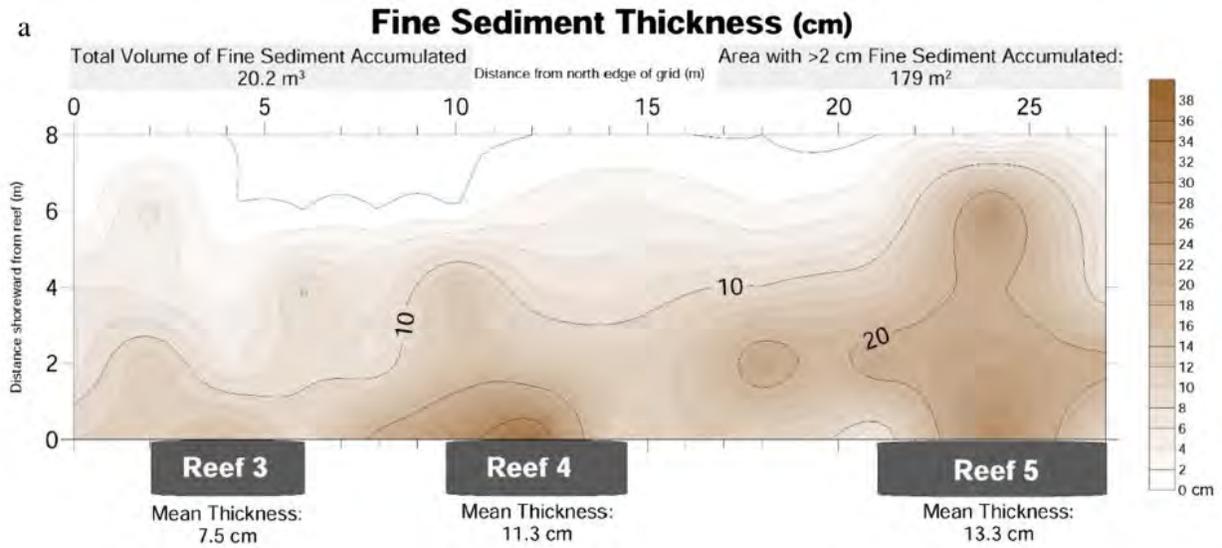
Figure 5. Sediment Carbon Accumulation Rates Determined by Veenstra et al. 2021.

3.2 Active Monitoring Period

The start of the active monitoring period will begin on January 1, 2024 and will cover all shellfish leases with active participation in the CV Carbon CCS program. For future leases added to the CCS portfolio, the active monitoring period will begin at the beginning of the calendar year following the initial sampling of the lease. Data verification to include additional sampling will be performed by a professionally licensed independent third party within 1-year of the original sampling date.

Monitoring to ensure the cultivated oyster beds remains free from mobilization activities will occur for 10 years beyond the date of the CCS claimed. This term is based on the maximum 10-year monitoring duration applied to Federally Authorized, Section 206 Ecosystem Restoration projects undertaken by the USACE³. Section 206 is the Federal Authority commonly used by the to restore oyster reefs. While a 10-year monitoring period is considered short for a well injection project, it is more than sufficient for the CV Carbon CCS program because of the stability of the storage (Fodrie *et al.* 2017), the existing regulatory requirements to avoid and minimize impacts to oysters, and the financial burden that would be incurred by someone who would have to financially compensation the leaseholders and pay for compensatory mitigation for impacts to the environment.

³ Section 2039 of WRDA 2007 limits financial expenditure for ecological monitoring to ten years post-construction but not beyond that duration.



Particle Size Transects: Silt and Clay Content (%)

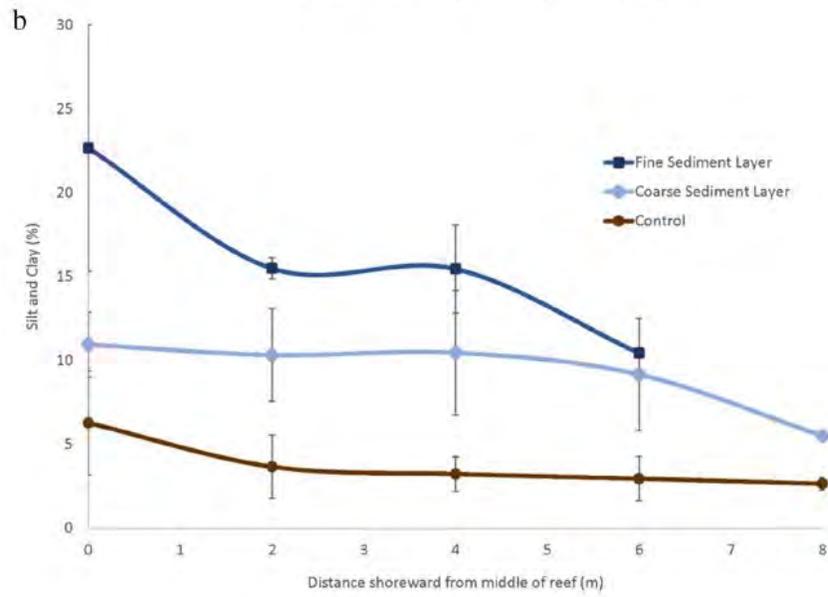


Figure 6. Sedimentation contour map, figures 3 A and B from Veenstra et al. (2021).

3.3 Monitoring Description

The leases that are part of the CCS program will be sampled following the protocols described in this document for determining the adult oyster (over 20 mm) density using either an oyster dredge, patent tongs, hand tongs, or using quadrats and scuba divers. For 2023, the commercial oyster dredge was the only sampling equipment used. GPS equipment that records time, date, and location, with a minimum accuracy of 10 meters, must be used to record sample location and time. Digital photographs with location and time stamps should accompany the sampling data. Additionally, the GPS equipment should be utilized by the commercial lease holder or their contractor to record the placement of cultch material in the leases.

The sampling protocol provides instructions for utilization of the Mobile Device Application (App) customized by CV Carbon LLC. Additional data like side scan sonar, sub-bottom profiler scans, and biological surveys are not required but may be included as supporting information in documenting the density of adult oysters within the leases participating in the CCS program.

Monitoring the CCS program is the responsibility of CV Carbon, LLC. Initial sampling will be performed by the commercial lease holders, CV Carbon, LLC, or contractors. All data will be reviewed and verified by a professionally licensed, third party, independent of CV Carbon, LLC and the commercial shellfish lease holders (per the certification requirements provided in 26 CFR 1.45Q-3(d)). The independent third party may conduct independent sampling or may require observation and/or oversight of sampling.

Before the end of each calendar year, CV Carbon, LLC will use the USACE Permit Finder web application⁴ to search all pending and final permit decisions within 1-mile of the leases within the CV Carbon CCS program. If a project is discovered that could affect a participating lease, CV Carbon will work with the project proponent to avoid and minimize impacts to the lease. If the impacts are unavoidable, CV Carbon, LLC will use calculations provided in Section 6 of this report to develop a recovery plan to recapture CO₂ potentially leaked by the activity. Any CO₂ identified as leaked will be recovered within 3 years of the end of the calendar year when the leakage is discovered.

3.4 Surface leakage pathways

3.4.1 Identification of potential surface leakage pathways

CV Carbon, LLC performed an extensive literature search to identify potential surface leakage pathways for carbon dioxide stored in sediments by oysters in the form of biodeposits and shell material. Also, in multiple meetings occurring in 2023, CV Carbon, LLC surveyed more than 50 commercial oyster fishermen, representatives from Texas Parks and Wildlife Department, Louisiana Department of Wildlife and Fisheries, Texas A&M University, Louisiana State University, and the National Marine Fisheries Service to identify possible leakage pathways for carbon dioxide stored in sediment in the form of biodeposits and shell material.

Sediment mobilization is identified as the primary pathway for leakage under the CV Carbon Method because it reintroduces the stored organic carbon to heterotrophic processes (Fodrie *et al.* 2017). Additionally, the inorganic carbon in shells and shell fragments are subject to dissolution processes (Powell *et al.* 2006) when they are exposed above the mudline. Both heterotrophic metabolism and dissolution are potential pathways that can result in conversion back to CO₂ which could then diffuse back into the atmosphere from the ocean. Projects like the installation of pipelines, construction of oil and gas wells, excavation for constructing navigation channels, and accidental vessel groundings have been identified as possible activities that could result in sediment mobilization and should be identified, evaluated, and reported.

⁴ <https://permits.ops.usace.army.mil/orp-public#>

3.4.2 Assessment of Sediment Mobilization Activities (Potential Leakage Pathways)

3.4.2.1 Pipeline Installation and Maintenance of Existing Pipelines

- **Summary:** Oil and gas companies use pipelines to transport their products and pipelines are very common in the Bays and Estuaries of the Gulf States. Pipelines may be existing, abandoned, and new projects.
- **Likelihood:** It is almost certain that existing pipelines, that are currently in use will need maintenance, which can include jetting or excavation which would mobilize sediments. Decommissioned pipelines with regulatory approval to abandon in place have almost zero likelihood of being included in future bottom disturbing activities. Abandon in place plans usually include the environmental benefits from not disturbing the water bottom as justification for not removing the structure. New pipelines present a low but more than zero percent chance of being authorized for construction. Federal and State Regulations require pipeline companies to design their projects to avoid and minimize impact to the environment. The boundaries of the oyster leases in Texas and Louisiana have been designated for more than a half century. Most new pipeline either avoid the leases all together by going around them or by horizontal directional drill. This activity places the pipeline well beneath the reach of the CCS program minimizing any impact to the reef system. In some instances where direct impacts to leases are unavoidable, the pipeline companies can coordinate with lease holders to route the pipeline through uncultivated portions of the lease. Thereby minimizing the release of CO₂ back into the atmosphere.
- **Magnitude:** The magnitude of the leakage would be the surface area of disturbed water bottom multiplied by the total organic carbon buried by cultivated oysters for all years measured and reported. Pipelines are installed along a linear corridor by jetting or excavating a trench through the bay bottom. Typical trenches are no more than 20-foot-wide and are generally less than 10-foot-deep. Depending on the depth of the water along the pipeline route within a lease, construction barges may need to excavate an access channel. The actual magnitude of the activity will be measured onsite using GPS equipment and GIS Software to determine the precise area of disturbance. The amount of carbon stored in the sediments will be determined using the data from past years.
- **Timing:** Typically pipeline companies are required to contact leaseholders prior to beginning work or while seeking regulatory permits. Advance notification provides the opportunity to develop and implement a recovery plan before the impacts occur.

Once sediment becomes mobilized, some of the stored organic carbon will be reintroduced into the water column and some will settle on the bay bottom where it will be at risk of being converted back to CO₂ through heterotrophic biological processes. The timing and rate at which leaked organic biodeposits could be converted back into CO₂ depends on numerous factors (e.g. season, water depth, salinity, etc.), but it would

generally begin within hours of the disruption and could continue for days or weeks. There are numerous potential pathways and fates for CO₂ in the marine environment, but one of them is reintroduction into the atmosphere (or leakage from our CCS). To err on the conservative side, the CV Carbon Method assumes all the organic carbon captured by the CCS program, within the surface area inside the lease where sediments are mobilized is leaked back to the atmosphere instantly although realistically this is not the case.

3.4.2.2 Construction of Production Platforms and Oil and Gas wells

- **Summary:** Like pipeline installation and maintenance, the installation and maintenance of production platforms could require excavation, jetting, or bottom disturbance from work barges.
- **Likelihood:** New production platforms and wells present a low but more than zero percent chance of being authorized for construction. Most Oil and Gas production is moving farther offshore, it is more likely that existing platforms and infrastructure will be decommissioned. Federal and State Regulations require companies to design their projects to avoid and minimize impact to the environment including oysters in commercial leases. The boundaries of the oyster leases in Texas and Louisiana have been designated for more than a half century, most new platforms would be expected to be built outside of existing leases.
- **Magnitude:** The magnitude of the leakage would be the surface area of disturbed water bottom multiplied by the total organic carbon buried by cultivated oysters for all years measured and reported. Installation of small production platforms in shallow water environments use of a 40- by 80-foot work barge settled on the bottom and jetting for installation of caissons and footings. New production platforms would typically include pipelines as well.
- **Timing:** The timing discussion from the pipelines also applies here. While there would be some lag in the actual timing of CO₂ re-introduced, for this method, it is assumed that all the organic carbon captured by the CCS program, within the surface area inside the lease where sediments are mobilized is leaked back to the atmosphere instantly although realistically this is not the case.

3.4.2.3 Construction of navigation channels

- **Summary:** Like pipeline installation, the construction of navigation channels could liberate sediment leaking any stored CO₂. Therefore, the excavation and discharge of sediments containing stored CO₂ is considered a possible source of leakage. Access channels are constructed by using a mechanical or hydraulic dredge to excavate and discharge the sediments to create a navigation channel with specified dimensions. The footprint (surface area) of the excavation is the area that would be used to calculate the leakage. If sediments are side cast within a commercial shellfish bed, they have the

potential to bury and kill oysters, but the act of burial would not constitute leakage of CO₂ unless the surface horizon is breached by equipment.

- **Likelihood:** The likelihood of a new channel being constructed or an existing one being modified through one of the shellfish leases is low. This is because there are existing navigation channels in proximity of the shellfish leases so the need for new ones is fairly unlikely but the probability is not zero. Environmental regulations require the avoidance and minimization of impacts to resources like the oyster habitat in the commercial shellfish beds, so individuals designing channel construction projects are required to demonstrate why the impacts to the oyster habitat are unavoidable.
- **Magnitude:** The magnitude of the leakage would be the surface area of disturbed water bottom multiplied by the total organic carbon buried by cultivated oysters for all years measured and reported.
- **Timing:** The timing discussion from the pipelines and other oil and gas projects also applies here. While there would be some lag in the actual timing of CO₂ re-introduced, for this method, it is assumed that all the organic carbon captured and stored by the CCS program, within the surface area inside the footprint where sediments are mobilized is leaked back to the atmosphere. Calculating leakage in this way is the most conservative approach because it assumes all CO₂ stored in sediments is returned to the atmosphere, when some would resettle on the benthos and be reburied, some would be captured by primary producers before re-entering the atmosphere (*e.g.* phytoplankton), and some would likely be recaptured by oysters in the commercial shellfish lease that are beyond the footprint of disturbance.

3.4.2.4 Accidental vessel groundings

- **Summary:** Accidental groundings occur when vessels with a draft deeper than depth of the commercial leases run aground within the commercial lease.
- **Likelihood:** The likelihood of accidental vessel groundings is moderate. Commercial shellfish lease holders report that during low water events associated with weather fronts, occasional vessel groundings occur. These are typically from vessels that are normally able to navigate the area rather than errant deep draft vessels. Commercial leaseholders typically mark their lease boundaries with many poles that identify the area as a shellfish lease and act as an indicator of vessel grounding or trespassing. Both the poles and the potential damage that oyster shells can have on vessels discourages most vessels from attempting to cross the leases, but some still do. Many lease holders do not build their oyster beds right up to the edge of their lease boundaries to protect against possible losses from vessel groundings which they say generally only impact the edges of the lease because vessels become immobilized when grounded and must then back up to extract themselves. They report that it is very unlikely that a vessel would “prop-wash” itself through the lease because the oysters would damage the underside of the vessel and the propellor.

- **Magnitude:** Lease holders report that they typically identify accidental vessel groundings from knocked down boundary poles. While poles are sometimes lost from other events like storms, the lease holders use a pole to probe the bottom to see if missing poles are from a vessel grounding or some other cause. The magnitude of the leakage would be the surface area of disturbed water bottom multiplied by the total organic carbon buried by cultivated oysters for all years measured and reported.
- **Timing:** The other timing discussions above also apply here. While there would be some lag in the actual timing of CO₂ re-introduced, for this method, it is assumed that all the organic carbon captured and stored by the CCS program, within the surface area of the footprint where sediments are mobilized, are leaked back to the atmosphere. Calculating leakage in this way is the most conservative approach because it assumes all the organic CO₂ stored in sediments is returned to the atmosphere, when some would resettle on the benthos and be reburied, some would be recaptured by primary producers before re-entering the atmosphere (e.g. phytoplankton), and some would likely be re-captured by oysters in the commercial shellfish lease that are beyond the footprint of disturbance.

4.0 Detecting and quantifying surface leakage of CO₂

4.1 Detection of Leakage

4.1.1 Meetings with Commercial Lease Holders

Annual meetings will be held with commercial lease holders to discuss the status of the shellfish beds within the commercial leases. Meeting notes will be included as part of the monitoring record for each lease holder. Any activities that are reported by the leaseholder that could potentially mobilize sediment and leak stored CO₂ will be investigated and quantified using the methods discussed in Section 4.2.

4.1.2 Annual Questionnaires

An annual questionnaire will be provided to all participating commercial leaseholders. The Questionnaire will be included as part of the monitoring reports. The questionnaire will:

- Inquire about the general status of the lease.
- Inquire about any cultch material placement that occurred during the quarter within any participating leases. (amount, type, lease number, location of placement, dates of placement)
- Inquire about any proposed projects, like the installation of pipelines, construction of oil and gas wells, or navigation channel construction projects that would impact the footprints within their leases. Lease holders are typically contacted by companies proposing the activities, state agencies that regulate those projects, or a federal regulatory agency.
- Inquire about any activities that may have occurred like those projects mentioned above or accidental vessel groundings. (date of occurrence, lease number, description of the location within the lease, and a summary of what occurred)

4.1.3 Detection during commercial shellfish activities

An advantage to partnering with commercial shellfish leaseholders is they continuously monitor the status of their leases during routine operations. Participating leaseholders are required to contact CV Carbon LLC, as soon as they can safely do so, to report a potential leak. They are encouraged to use the mobile device application provided by CV Carbon LLC to record the GPS location, take pictures with GPS and date/time stamp, to document any potential leakage of stored CO₂.

4.2 Quantifying surface leakage of CO₂.

Upon receiving notification of an activity within a participating commercial lease that mobilizes sediments (see Section 3.2 for the list of activities), CV Carbon will ensure that the GPS coordinates for the limit of disturbance is recorded. The *area of disturbance* will be marked with poles. Activities that mobilize sediment typically result in a change in depth and benthos composition. The area of disturbance will be identified by probing the bottom with a pole to

identify changes in depth or substrate composition. GIS software will then be used to overlap and calculate the organic carbon storage previously measured and reported for the *area of disturbance* plus a buffer zone of 10-feet (approximately 3 meters).

As stated above, calculating leakage in this way is the most conservative approach because it assumes all CO₂ stored in sediments is returned to the atmosphere, when some would resettle on the benthos and be reburied, some would be captured by primary producers before re-entering the atmosphere (*e.g.* phytoplankton), and some would likely be recaptured by oysters in the commercial shellfish lease that are beyond the footprint of disturbance.

The quantity of CO₂ determined to be leaked must be certified by a qualified independent engineer or geologist, including a statement that the quantity was determined in accordance with sound engineering principles in the same manner as required in § 1.45Q-3.

4.3 Leaked CO₂ Recapture Plan

Upon identification and subsequent quantification of leaked CO₂, a recapture plan consistent with the requirements included in § 1.45Q-5, will be implemented. § 1.45Q-5 provides two options for recapture, either the leaked amount of CO₂ is subtracted from the amount of CO₂ that is securely stored in the taxable year that the leakage occurs or a plan to recapture the amount of CO₂ leaked within a 3-year *recapture period* is developed and implemented.

For this CCS Method, recapture plans will determine a recapture area by dividing the certified leaked quantity of CO₂ by the low rate of carbon burial (5 mt CO₂ acre⁻¹ yr⁻¹) and then dividing that number by the number of years in the *recapture period*. An area with a minimum surface area of the calculated recapture area must be restored through the placement of cultch material. Annual monitoring of oyster density will be performed over the 3-year recapture period. If by the end of the second monitoring period, the restored recapture area has not demonstrated an oyster density sufficient to recapture 2/3's of the final goal, adaptive management to include additional cultch material placement will be required to increase the recapture area. If the entity causes a disturbance resulting in a leakage within a participating commercial lease and the entity must also perform mitigation comply with State or Federal regulatory requirements, the surface area of oyster mitigation can also be counted as part of the recapture plan.

5.0 Monitoring and Sampling

Annual monitoring reports will include the past year’s sampling data and analysis, location and volume for new cultch material placement resulting from the program, and the results of the leakage analysis. Maps will be generated annually for each lease where CCS monitoring is active. The maps will be stored as a digital record for the location and quantity of CO₂ stored in the sediments by the oysters. The maps will include the geospatial extent of the resulting CCS analysis and any areas where leakage is detected. With 2023 being the first year the CCS program is in service, there are currently no issues of leakage to report.

5.1 Sampling Plan and Data Summary

CV Carbon LLC provided participating leaseholders with a customized geospatial application (App) on their GPS enabled mobile devices. The App collects data used to calculate the density of live oysters and the relative surface area of those densities within the commercial shellfish leases. CV Carbon, LLC conducted a half-day tutorial with each leaseholder to demonstrate the use of the App and to train the leaseholders in performing the sampling protocol. CV Carbon, LLC also provided a user guide and technical support for using the mobile application.

The sampling protocol was developed by following published methods that are used in scientific investigations (Marenghi *et al.* 2017, Morson *et al.* 2018, Pollack and Palmer 2022, and Powell *et al.* 2007) and are endorsed by the Louisiana Department of Natural Resources⁵.

The sampling method developed is specifically designed to meet the needs of this CCS method. Contingency is built in to protect against the over-estimation of the oyster density while remaining as accurate as possible. The sample (oyster count) influence is designed to be short distance (more contingency), areas between samples that are too far apart will show no oysters, regardless of what is there (again to protect against overestimate for our CCS project). Since all sampling is performed in commercial oyster leases with common factors, the sampling protocols were able to be designed to target areas where the habitat had been restored and in transition areas.

5.1.1 Step 1. Benthic Characterization.

The first step in sampling of oyster grounds for oyster density (live oysters per meter squared) is to characterize the benthic substrate in terms of its suitability as oyster habitat. The most common method is poling, an alternative method is to use remote sensing equipment like side scan sonar or a sub-bottom profiler. For this protocol, poling is the only benthic characterization used.

Poling is the physical probing (sometimes referred to as sounding) of the bay bottom (a.k.a.: substrate, mudline, bay bottom, or water-sediment interface) with a cane pole or piece of PVC pipe. The poles have a bottom diameter ranging from 1- to 4-inches and range in length from 18- to 25-feet in length. Smaller diameter poles are lighter and easier to use. The pole length

⁵ <https://www.dnr.louisiana.gov/assets/OCM/permits/DRAFT2012UpdateofSamplingProtocol.pdf>

limits the effective survey area to those with depths shallower than approximately 15-feet. The person probing the bottom calls out the category that best corresponds to what they feel they probe the bay bottom. The categories are:

- **Solid Reef:** the pole does not penetrate through the hard surface into underlying mud. This may be indicative of a reef or pile of rocks or other hard substrate. This is considered the ideal oyster habitat.
- **Scattered Shell:** the pole touches a mix of hard and soft substrate. This may be indicative of sparsely situated or thin habitat. This is considered oyster habitat and can still be optimal in some instances.
- **Mud (soft or firm):** Mud is soft unconsolidated material, it can be clay, silty, or sandy. This is not oyster habitat. The distinction between firm and soft is optional, neither is oyster habitat but the information is useful in planning future restoration. Cultch material sinks into soft mud making restoration more difficult in soft mud areas, whereas it stays above the mud line more easily in
- **Buried Reef:** This is indicative of oyster habitat (hard substrate) buried by sediment. The use of this category is also optional; these areas could also be correctly categorized as mud since there is no hard material above the mud line, the buried reef category was added at the request of some leaseholders who sometimes target those areas for restoration. If there is some hard substrate on the top of the buried reef it should be categorized as “Scattered Shell.” Buried Reef does not contain any hard substrate above the mudline and is therefore not considered oyster habitat. These areas often occur around the periphery of a restored reef where some of the clutch has subsided into the mud. These areas can also become unburied by currents and can sometimes become productive reef if they are exposed long enough.

Poling is typically carried out by a 2–3-person crew on a vessel. Assuming a three-person crew, one person uses the pole to probe the bottom and calls out the result to the second person who records the data in the App on a mobile device, and the third person is responsible for driving the vessel. Two-person survey teams can be utilized during calm weather and at a very slow rate of speed. While poling, the survey vessel should proceed at a slow rate of speed to allow the poling points to be about 15 meters apart. We have found that approximately 2-4 mph is the comfortable vessel velocity range while poling (this varies depending on conditions). The distance between poling points needs to be sufficient to allow interpolation. Surveyors are asked to aim for no more than 15 meters between poling points. We have seen successful interpolation with points separated by as much as 30 meters in uniform areas. The interpolation errs on the conservative side, so more data is encouraged, because it allows for maximization for the size of oyster habitat.

Poling is accomplished by running transects across the survey areas in a vessel. Directionality of the transects will vary depending on wind and currents. Improvised directionality changes are permissible if there are enough sample points to allow the interpolation to run. The goal for

distance between transects should be no more than 35 meters. Again, interpolation errs on the conservative side and will return zeros without sufficient data. For large survey areas with patchy oyster habitat, it is permissible to skip or conduct broad transects over large areas of mud. When oyster habitat is encountered in a large patchy area, the boundaries should be delineated with transects no more than 35 meters apart (see Figure 2 as an example). For small reefs (less than 5 acres) in large survey areas, a second round of poling transects perpendicular to the first are recommended to better delineate the boundary. Areas lacking poling data within a survey area are presumed to be mud (not oyster habitat).

5.1.2 Step 2: Document the oyster sampling equipment.

The dredge width is the inside width of the sampling equipment at the mouth (the point where oysters are captured into the bag. This is a key measurement in determining the swept area (m²) for each sample (swept area is the dredge width multiplied by the tow distance). The dredge width must be measured with a tape measure or measuring stick. A digital picture taken with a GPS enabled device, on the day of sampling is the preferred way to document the width of the dredge.

5.1.3 Step 3: Sample oyster abundance using an oyster dredge.

5.1.3.1 Part 1: Towing the dredge.

The App is used to record a line feature which records location and distance that the dredge is towed. The recording of a line feature begins when the gear starts fishing, usually an instant after it touches the bottom. When the dredge reaches the bottom and the initial contact of the teeth with the substrate is not uniform and the gear tends to bounce or jump then it quickly settles and starts “fishing.” This is monitored by watching the rope or chain which will be momentarily erratic until the dredge catches and then the rope or chain be under constant tension with some vibrations. Recording of the line feature should begin as close to when the dredge catches as possible. The tow distance should be monitored, and tows less than 50 meters long are recommended to ensure the bag does not overflow, and shorter tow distances have been shown to reduce error from relative gear efficiency. Tows around 25 meters are generally sufficient. Larger dredges should target shorter tows (less than 25 meters) to avoid large swept areas. GPS line recording should stop when the gear begins to be retrieved, most dredges stop fishing immediately when the angle is increased. The small purple lines in Figure 2 are sample lines depicting the paths swept by a dredge.

Boat operators are permitted to control the operations during sampling, including: the speed of the vessel, how much line is put out, whether they turn in an arc or run a straight line, the sample path, etc. There are a lot of potential influences (e.g. depth, substrate gradient, dredge size and design) that can affect the efficiency of a dredge (Powell et al. 2007) and experienced fishermen are generally very proficient at the task especially on their vessels, with their gear, in their leases. Allowing a few practice tows is advisable when beginning in a new area for sampling. The most important thing is to start recording the line when the gear begins to fish

and stopping it as soon as it begins its retrieval. The GPS can calculate very accurate lengths regardless of the path.

Dredge samples should be performed in reef areas, in transition areas, and if time permits in areas lacking solid reef but containing scattered shell. We recommend samples in all reef and scatter shell areas as well as transition areas. Two samples are the absolute minimum for a small area (less than 5 acres) and at least one sample every 25 acres for large leases. The interpolation consolidates poling points categorized as mud, buried reef, and firm bottom as lacking oyster habitat so those areas are assumed to have zero oyster density by default and do not need dredge samples.

5.1.3.2 Part 2: Processing the sample.

Once the oyster dredge is retrieved with the sample, the contents of the bag are emptied on a sorting table or the deck of the boat. A digital photograph is taken of the contents of the dredge bag using the App on a GPS enabled mobile device. All oysters over 1-inch (20mm) are counted and the results are recorded in the GPS enabled mobile device. Notes including sight history, presence of oysters smaller than 20 mm (spat) and prevalence of boxes (dead oysters with intact hinge ligament) are recorded in the notes.

5.2 Data Analysis

Additional information on the generation of data and data analysis is provided in Section 6.7 of this document. The sampling methods were developed through an iterative process involving fieldwork with subsequent GIS software analysis. After several iterative rounds, the minimum requirements adopted ensure that the poling point data combined with the samples result in verified accurate quantification of the surface area of oyster densities.

The poling data, a set of points, is used to interpolate the spatial extent of benthic characteristics within the commercial shellfish leases. The oyster densities are calculated from the dredge tow data, which is then correlated to the benthic characteristics within the area swept by the dredge tow to calculate the relative oyster density within each commercial lease. Polygons are then generated for the categorized rates of carbon capture and storage taken from the non-linear regression (Figure 9) in Section 6.1.2 of this document.

6.0 Mass Balance Summary

Equation 1. Net total annual CO₂

$$CO_2 = CO_2^S - CO_2^L - CO_2^{RB} - CO_2^E$$

Where:

CO_2 = Net total annual CO₂ mass (metric tons) geologically stored within the Commercial Oyster Leases.

CO_2^S = Total annual CO₂ mass (metric tons) geologically stored within the Commercial Oyster Leases.

CO_2^L = Total annual CO₂ mass emitted (metric tons) by leakage from sediment disruptive activity.

CO_2^{RB} = Total annual CO₂ mass emitted (metric tons) by Respiration (Net Ecosystem Metabolism) and Biom mineralization of CaCO₃.

CO_2^E = Total annual CO₂ mass emitted (metric tons) by Equipment used to transport Cultch Material to Commercial Shellfish Lease and for monitoring and sampling.

Equation 2. Total annual CO₂ mass stored

$$CO_2^S = \sum_{x=1}^n CO_{2,X}^B \times SA_X$$

Where:

CO_2^S = Total annual CO₂ mass (metric tons) geologically stored within the Commercial Oyster Leases.

$CO_{2,X}^B$ = Annual CO₂ Burial Rate (metric tons·acre⁻¹·yr⁻¹) determined using adult oyster density measurements.

SA_X = Total Surface Area (acres) for the adult oyster densities sampled in the Commercial Leases.

n = The number of adult oyster densities sampled in the Commercial Leases.

Equation 3. Total annual CO₂ mass leaked

$$CO_2^L = \sum_{y=1}^{yr} CO_{2,y}^P \times SA_D$$

Where:

CO_2^L = Total annual CO₂ mass emitted (metric tons) by leakage from sediment disturbing activity.

$CO_{2,y}^P$ = Annual CO₂ Burial Rate (metric tons·acre⁻¹·yr⁻¹) reported in previous years for the area of disturbance.

SA_D = Area of Disturbance (acres).

yr = Year that an annual CO₂ mass was measured and reported for the area disturbed.

Equation 4. Total annual CO₂ mass emitted from Respiration and Biomineralization

$$CO_2^{RB} = \sum_{x=1}^n (NEM \times SA_x) + (CO_{2,x}^{IBE})$$

Where:

CO_2^{RB} = Total annual CO₂ mass emitted (metric tons) by Respiration (Net Ecosystem Metabolism) and Biomineralization of CaCO₃.

NEM = Net Ecosystem Metabolism, (metric tons·acre⁻¹·yr⁻¹) to account for change to productivity (heterotrophic and autotrophic) resulting from the restoration of oyster reef. Use published value of -2.57 metric tons·acre⁻¹·yr⁻¹ for the net annual CO₂ emissions resulting from the restoration of an acre of oyster reef (Volaric *et al.* 2020).

SA_x = Total Surface Area (acres) for the adult oyster densities sampled in the Commercial Leases.

$CO_{2,x}^{IBE}$ = Total annual CO₂ mass emitted (metric tons) resulting from the Biomineralization of CaCO₃ (IBE= Inorganic Biomineralization Emission).

n = The number of Commercial Leases

Equation 5. Total annual CO₂ mass emitted by equipment

$$CO_2^E = \sum_{x=1}^n EF_t(CW \times CD_t) + EF_w(CW \times CD_w)$$

Where:

CO_2^E = Total annual CO₂ mass emitted (metric tons) by Equipment used to transport Cultch Material to Commercial Shellfish Lease. Includes total CO₂ equivalent emissions for CH₄ and N₂O.

EF_t = GHG “truck” emission factor developed by the EPA to calculate emission inventories for transportation activities on a ton-mile basis⁶.

EF_w = GHG “waterborne craft” emission factor developed by the EPA to calculate emission inventories for transportation activities on a ton-mile basis⁷.

CW = Cultch Weight (metric tons)

CD_t = Cultch Truck Transportation Distance (miles) which is the distance from a commercial point of origin (e.g. Shucking houses are typically the point of origin for shells) to a loading dock.

CD_w = Cultch Waterborne Transportation Distance (miles) which is the distance from the loading dock to the commercial lease.

* The EPA’s Simplified GHG Emissions Calculator⁸ is used to automatically calculate CO₂^E and requires the inputs for Vehicle type (truck or waterborne craft) and trip Ton Miles.

⁶ <https://www.epa.gov/climateleadership/ghg-emission-factors-hub>

⁷ <https://www.epa.gov/climateleadership/ghg-emission-factors-hub>

⁸ <https://www.epa.gov/climateleadership/simplified-ghg-emissions-calculator>

6.1 Calculations for measuring the annual mass of CO₂ stored from oyster density

6.1.1 Conceptual Model

The U.S. Army Corps of Engineers' Engineering and Research Development Center (ERDC) developed modular mass balance models to calculate benefits from oyster reef creation projects. Carbon Capture and Storage is a primary benefit module included in ERDC's Model. The user supplied inputs for the model were oyster density and age class with an emphasis on adult oyster density because of their filtration and shell growth rates. *Figure 3* shows the conceptual processes carried out by oysters that capture and store carbon.

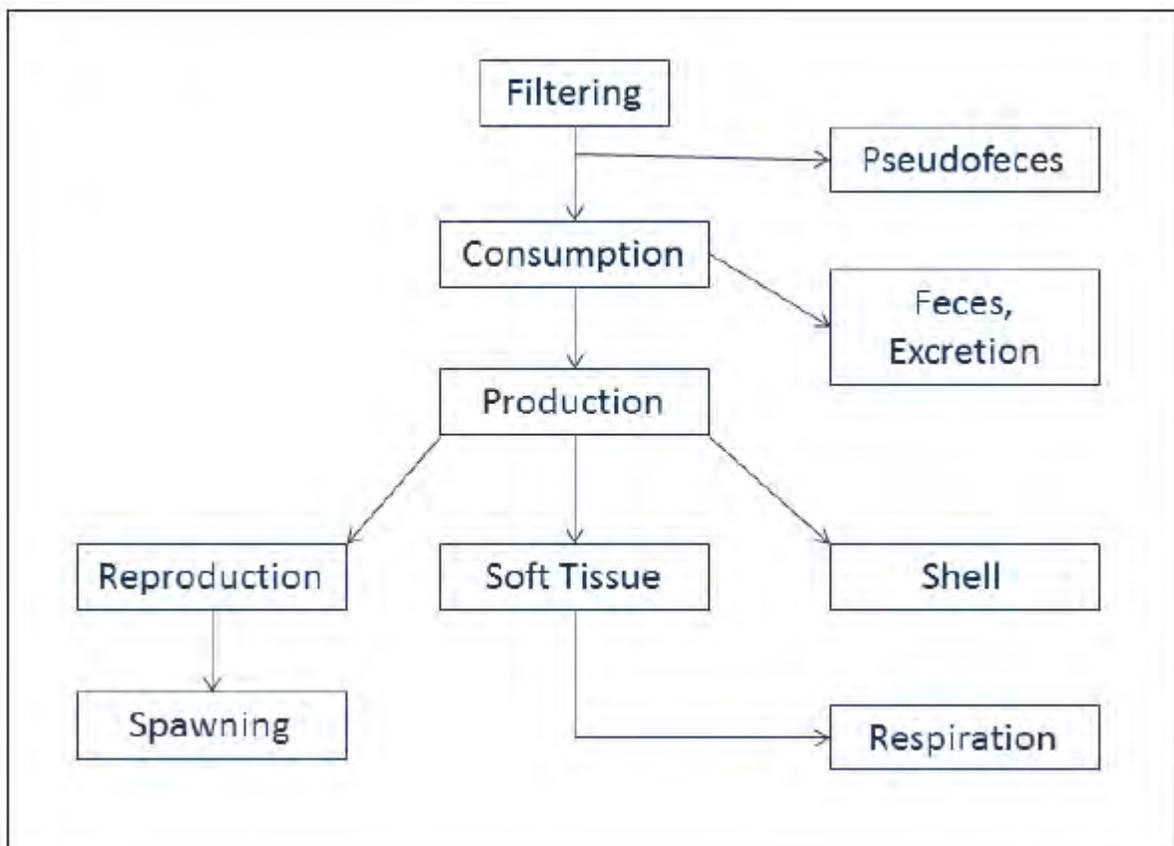


Figure 7. Carbon pathways for a bivalve model. (Figure 1. From Cero in 2014).

Figure 8. shows the combined relationships identified during the literature review performed in developing this method. The ERDC Model considers harvested oysters as still contributing to long-term removal from the ocean atmosphere system. That is to say, the fate of the large amount of inorganic and the small amount of organic carbon in the shells of harvested oysters will either be returned to water as cultch or will be buried in a landfill. In either scenario the captured carbon is highly unlikely to return to the atmosphere as CO₂. This premise is used in the CV Carbon Method.

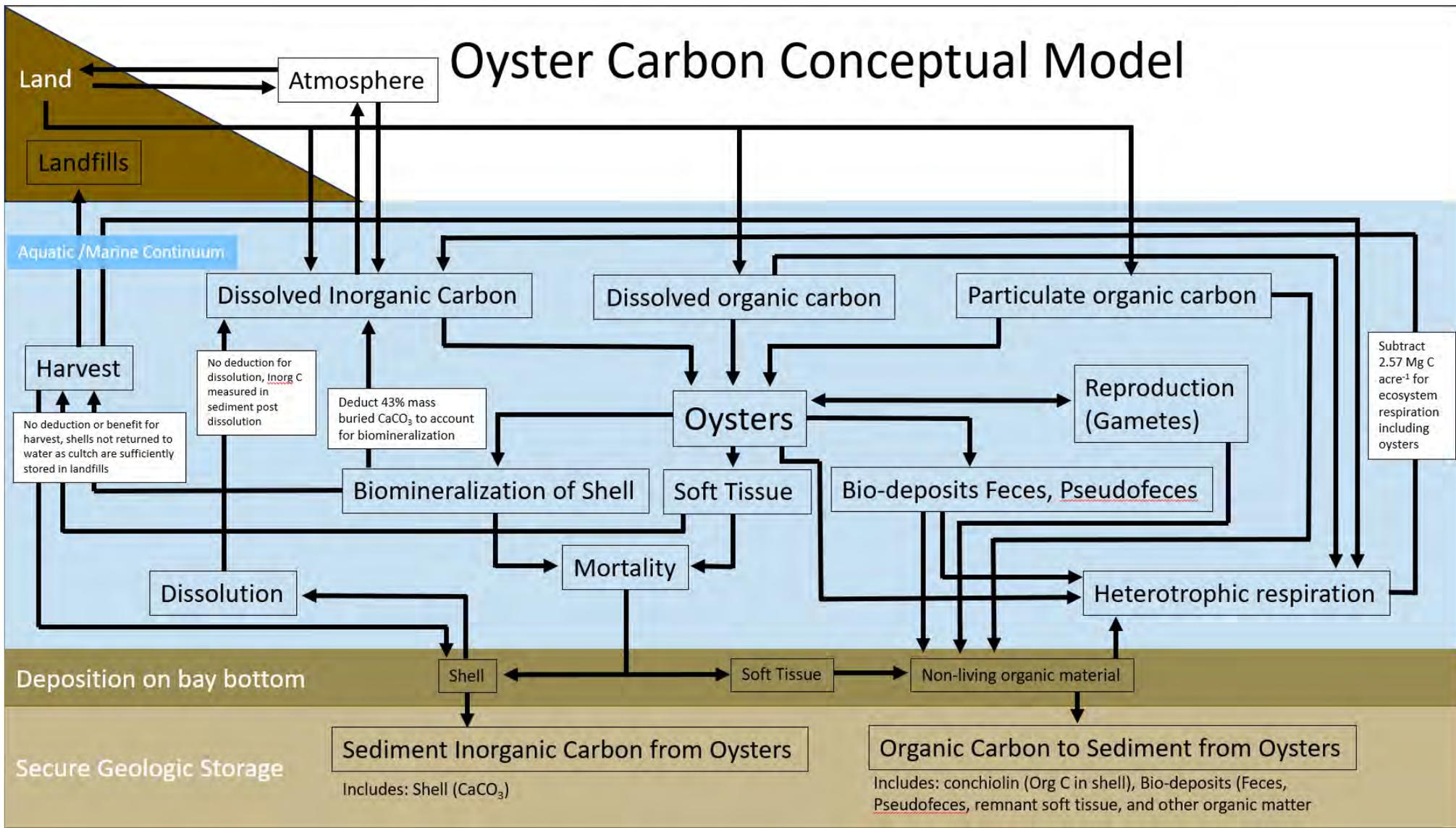


Figure 8. Comprehensive conceptual model developed from literature review.

6.1.2 Determining mass of CO₂ stored geologically in sediments

The findings from several studies that sought to measure the amount of carbon in sediment within experimentally constructed reefs were utilized in the CV Carbon Method to simplified inputs and provide experimentally determined values that in previous models (ERDC) had to rely on additional assumptions and calculations.

The standardized carbon capture rates in the CV Carbon method were determined using data collected by Fodrie *et al.* (2017), who quantified annual CO₂ storage rates in sediment for projects that placed cultch material to cultivate eastern oysters (*C. virginica*). Fodrie *et al.* (2017), investigated annual CO₂ storage rates by sampling 19 experimentally constructed oyster restoration sites and three natural oyster reefs. Using a combination of quadrat counts for live oyster density and a geological method (vertical through-reef cores followed by shell and sediment analysis), Fodrie *et al.* (2017) correlated annual CO₂ sediment storage rates to oyster density. To control for carbon deposition in the absence of oyster reefs, Fodrie *et al.* (2017) examined the carbon composition of sediments beneath experimental reef/cultch material in each core, thus establishing a before–after comparison design. The estimated carbon storage rates reported in Fodrie *et al.*'s (2017) article accounted for biomineralization in the determination of inorganic carbon in the sediment.

The reported rates of carbon storage between Fodrie *et al.*'s (2017) publication and the CV Carbon method result from differences in units (*Mega-grams Carbon-hectare⁻¹ year⁻¹* converted to *metric tons CO₂·acre⁻¹·yr⁻¹*), the approach to account for potential emissions from biomineralization, and how to account for the original cultch material. The CV Carbon method follows a scientifically accepted stoichiometric approach for determining and accounting for biomineralization. The full discussion on biomineralization is included below in Section 6.3. In the CV Carbon Mass Balance Calculation Biomineralization is accounted for after the mass of CO₂ stored in sediments is determined. This is to ensure that the actual amount of CO₂ stored in sediments is fully accounted for, which is required to entirely account for leakage from potential sediment disturbing activities. A separate study (Veenstra et al. 2021) suggests that Fodrie et al.'s (2017) subtraction of the initial cultch mass led to an underestimation of the carbon deposition rate for several reasons including the non-uniform distribution of the original material 11-14 years after placement and the fact that the cultch material does become securely stored in the sediments. Following the recommendation in Veenstra et al.'s (2021) report the CV Carbon Method does not subtract the cultch material mass when determining the burial rates.

Equation 6. Combined Annual CO₂ mass geologically stored

$$CO_{2x}^B = \sum_{y=1}^n CO_{2,y}^I + CO_{2,y}^O$$

Where:

CO_{2x}^B = Annual CO₂ burial rate (metric tons·acre⁻¹·yr⁻¹) determined using adult oyster density measurements.

$CO_{2,y}^I$ = Total annual CO₂ mass (metric tons) geologically stored in the form of inorganic carbon (e.g. shell and CaCO₃) within each commercial shellfish lease.

$CO_{2,y}^O$ = Total annual CO₂ mass (metric tons) geologically stored in the form of organic carbon (e.g. detritus, feces, pseudo-feces) within each commercial shellfish lease.

n = Number of participating commercial shellfish leases.

Multiple studies have investigated carbon capture and storage resulting from oyster habitat restoration. These studies report remarkably similar experimental results for measured carbon quantities in sediments with oysters and without oysters. There is some variation in their modeling and assumptions, but the overall conclusion is consistent, oysters capture and store carbon at rates that outpace other blue carbon strategies. The mass balance equation and the procedures to measure carbon capture and storage were developed by incorporating the findings and recommendations of these independent, peer reviewed studies. This summary has two primary sections. Using oyster density to measure Carbon Capture and Storage, Determining Oyster Density.

Many of the studies report their findings in metric tons of Carbon per hectare per year (MgC ha⁻¹ yr⁻¹), this figure needs to be converted to the EPA’s standard for geologic storage which is metric tons of CO₂ per hectare per year. Table 1 and Table 2 contain the unit conversions and physical information used in the conversions.

Table 1. Proportional Relationships for Unit Conversions

Unit Conversions		
1 hectare	=	2.47105 acres
10,000 meters ²	=	1 hectare
1 metric ton	=	1,000,000 grams

Table 2. Chemical Names, Symbols and Molar Masses.

Compound/Element	Symbol	Molar mass (g·mol ⁻¹)/ Atomic Mass (g)
Calcium Carbonate	CaCO ₃	100.0869 g·mol ⁻¹
Carbon Dioxide	CO ₂	44.009 g·mol ⁻¹
Calcium	Ca	40.078 g
Carbon	C	12.001 g
Oxygen	O	15.999 g
Hydrogen	H	1.0078 g

Higgins *et al.* (2010) created a model based on the results of carbon, hydrogen, nitrogen elemental analysis of tissue and shell, which estimated that an oyster bed could remove a total of 20 Mg CO₂ acre⁻¹ yr⁻¹ (published units 13.47 ± 1.00 Mg C ha⁻¹ yr⁻¹) in a single growing season at a density of 286 oysters m⁻². Hickey (2009) calculated the amount of carbon sequestered per year in oyster farms, using shell carbon content, oyster weight, grow-out time, and stocking density to be between 5.65 to 26.6 Mg CO₂ acre⁻¹ yr⁻¹ (published units: 3.81 and 17.94 Mg C ha⁻¹ yr⁻¹) with relative oyster densities of 91 to 429 m⁻².

Veenstra *et al.* (2021) reported organic carbon burial values as high as 10.39 Mg CO₂ acre⁻¹ yr⁻¹ (published units: 700 gC m⁻²yr⁻¹) for areas adjacent to restored reefs. Veenstra *et al.* (2021) measured live oyster cover rather than live oyster density making it difficult to directly compare results. However, 10.39 Mg CO₂ acre⁻¹ yr⁻¹ for only organic content would be consistent with the highest values reported by Fodrie *et al.* (2017), Higgins *et al.* (2010), Hickey (2009), Hurst *et al.* (2022), and Chambers *et al.* (2018).

Fodrie *et al.* (2017), quantified annual CO₂ storage rates in sediments by sampling 19 experimentally constructed oyster reefs, three natural reefs, and one relic reef. Fodrie *et al.* (2017) found a strong correlation between annual CO₂ sediment storage rates and oyster density. Oyster densities were sampled using a combination of quadrat counts for live oysters and vertical through-reef cores followed by shell and sediment analysis was used to quantify carbon levels. To control for carbon deposition in the absence of oyster reefs, Fodrie *et al.* (2017) examined the carbon composition of sediments beneath experimental reef/cultch material in each core, thus establishing a before–after comparison design.

The publicly available data from Fodrie *et al.* (2017) was used to model the CCS rates for varying oyster densities. Fodrie *et al.* (2017) reported R² values of 0.59 and 0.61 for the modeled relationships between the measured masses of inorganic and organic carbon and oyster density (n = 11; live oyster density checked in 2010) respectively. The inorganic and organic carbon quantities measured at each experimental reef were combined, adjusted for biomineralization as described below (Table 3) and modeled with oyster density using Nonlinear Regression (Figure 9).

Two experimental reefs (SF6 and SF7) were not included in the final model. Model diagnostics indicated that they were both distorting the model (both had very high Cook's distances well over 1). The values for experimental reefs SF6 and SF7 had some of the highest live oyster densities, 785.5 and 1209.25 respectively, with mid-level carbon storage. A plausible explanation is that these locations were sampled soon after a spat set and the large numbers of are from a large spat set, but potentially lack a robust adult population. Powers et al. (2009) surveyed these same experimental reefs in 2002-2003 and reported average oyster densities of 205 for the reefs constructed in 1997 (these were sampled by Fodrie et al. in 2010), and 227 for reefs constructed in 2000. Assuming a non-spat (above 20 mm length) density of 205-227 oysters the CCS numbers fall roughly where expected. Furthermore, both are relatively shallow intertidal reefs with depths of only 0.6 and 0.5 meters (NAVD88) respectively. Also, experimental reef SF5, located approximately 40 meters from SF7, had an annual carbon capture and storage rate of 23.1 MT CO₂ acre⁻¹ yr⁻¹ compared to 13.4 MT CO₂ acre⁻¹ yr⁻¹.

Initial parameter estimates for the nonlinear regression model were determined using the `sslogis` self-start function from the `nlme` package. `Asym` is the maximum size for logistic growth (29.656), `xmid` is the x-value when it achieves half-size (290.114), `scal` governs how fast or slow growth occurs (150.572). The curve was used to predict oyster density values for the quartiles and the mean carbon capture and storage (MT CO₂ acre⁻¹ yr⁻¹) measured at the experimental reefs. The standard error for `xmid` (47) of the curve was used to calculate the standard deviation (141 where $n = 9$). The standard deviation for `xmid` of the nonlinear regression model was then deducted from the predict oyster density values to create a lower bound for oyster densities assigned to the quartiles and mean to establish the range for categorical values.

Table 3. Oyster reef CCS data from Fodrie *et al.* 2017 with updated adjustment for biomineralization.

Reef Name: Fodrie <i>et al.</i> 2017	Year constructed*	organic carbon (mt acre ⁻¹ yr ⁻¹)	inorganic carbon (mt acre ⁻¹ yr ⁻¹)	biomineralization adjustment (mt acre ⁻¹ yr ⁻¹)	Total CCS (mt acre ⁻¹ yr ⁻¹)	Live Oyster Density (m ⁻²)	Reef Name: Grabowski, 2002	Latitude	Longitude
SF1-1997	1997	2.65860	37.808	-16.257	24.209	483.75	MF1	34.69365	76.61977
SF2-2000	2000	3.65226	39.393	-16.939	26.107		MF1	34.69295	76.62018
SF3-2000	2000	3.97619	44.922	-19.316	29.582		MF2	34.69272	76.62075
SF4-1997	1997	3.88296	44.061	-18.946	28.998	1018.00	MF2	34.69288	76.62112
SF5-2000	2000	3.62392	34.198	-14.705	23.117		MF4	34.68522	76.61209
SF6-1997*	1997	2.08081	23.729	-10.204	15.607	785.50	MF3	34.68847	76.61548
SF7-1997*	1997	1.30307	21.375	-9.191	13.487	1209.25	MF4	34.68496	76.61247
SF8-2000	2000	1.39410	14.900	-6.407	9.887		MF3	34.68830	76.61521
SF9-2000	2000	0.86920	14.524	-6.245	9.148		SUB2	34.69068	76.62080
SF10-2000	2000	1.81399	12.680	-5.453	9.042		SUB1	34.69222	76.62317
SM1-1997	1997	1.24393	9.840	-4.231	6.853	185.25	SG3	34.68931	76.61533
SM2-1997	1997	1.05941	16.878	-7.258	10.680	162.00	SM4	34.68229	76.61123
SM3-1997	1997	0.73434	12.023	-5.170	7.588	47.25	SM1	34.69406	76.61975
SM4-2000	2000	2.15411	11.520	-4.953	8.720		SG1	34.69106	76.61999
SM5-2000	2000	1.48736	11.362	-4.886	7.964		SG2	34.69134	76.62326
SM6-2000	2000	0.37521	7.909	-3.401	4.883	88.00	SG4	34.68873	76.60784
SM7-1997	1997	0.81542	12.003	-5.161	7.657	71.50	SM3	34.68844	76.61690
SM8-1997	1997	0.98412	6.325	-2.720	4.589	84.25	SG2	34.69286	76.62258
SM9-1997	1997	1.23651	10.887	-4.681	7.442	140.75	SG1	34.69117	76.62065

*Excluded from model. See Section 5.1.2 for details.

MF: mudflat
SM: Saltmarsh-fringing
SG: Between saltmarsh and seagrass

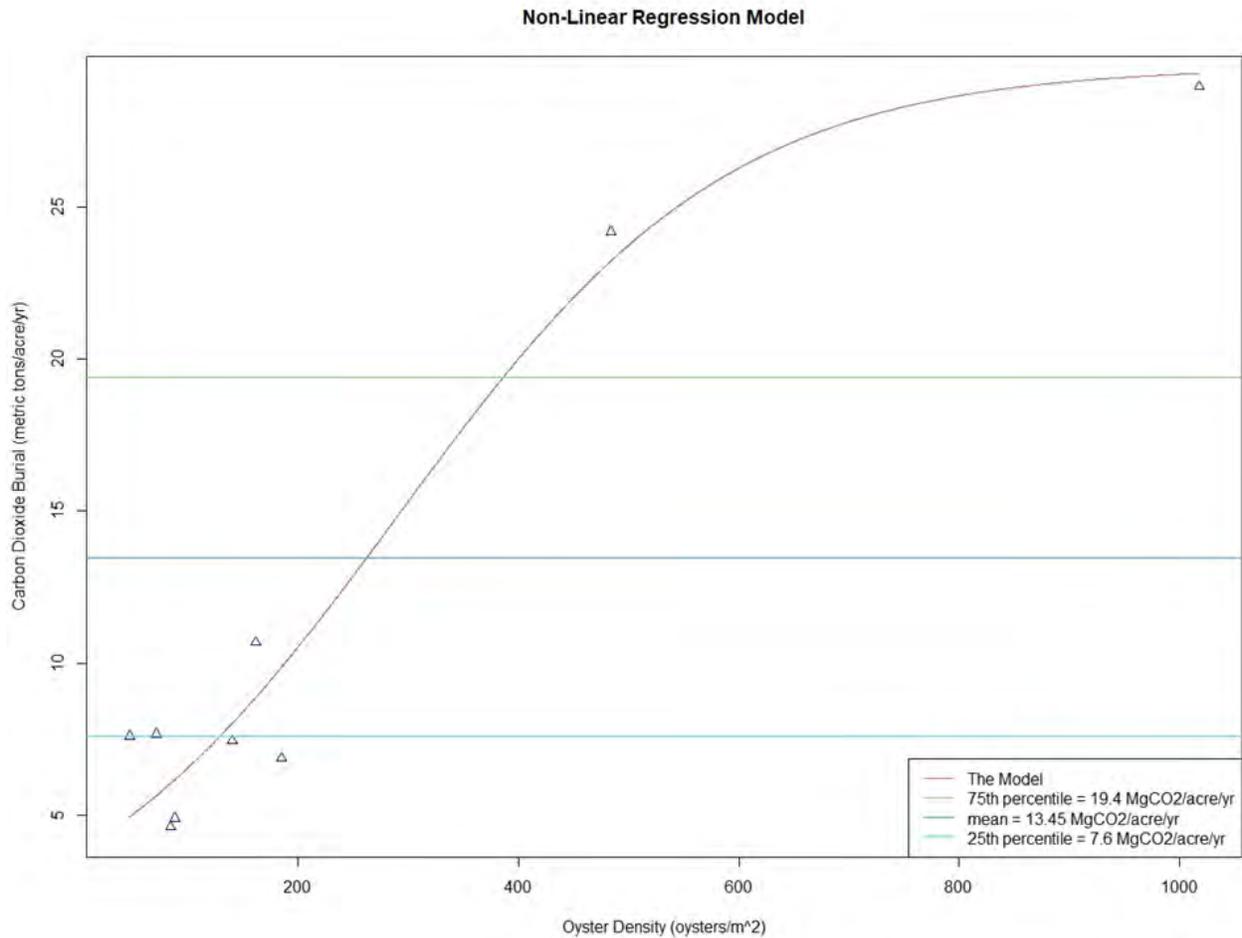


Figure 9. Combined Inorganic and organic carbon measured by Fodrie et al. (2017) modeled with oyster density using Nonlinear Regression (least squares).

Table 4. Live oyster densities predicted by model with lower bounds determined using standard deviation of the predicted x-value when the curve achieves half-size.

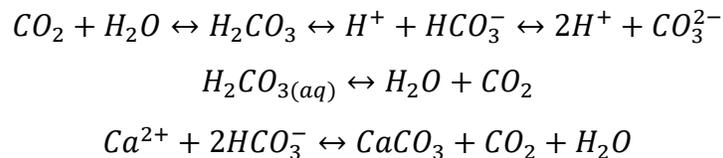
Statistic from experimental data	Annual Carbon Capture and Storage MT CO ₂ acre ⁻¹ yr ⁻¹	Model Predicted Live Oyster Density	Lower bound (metric – one standard deviation)
75 th percentile	19.36	385	244
mean	13.45	260	119
25 th percentile	7.62	130	20

6.2 Accounting for emissions resulting from Net Ecosystem Metabolism from heterotrophic respiration.

Using the aquatic eddy covariance (AEC) technique, Volaric *et al.* 2020 measured the seasonal respiration rates over an intertidal *Crassostrea virginica* oyster reef on the Virginia coast. This 4-year study represents the most comprehensive collection of AEC metabolism data to date for an oyster reef. Unlike chamber measurements, the data was collected under true in situ conditions—exposed to natural variations in flow speed, tidal stage, light, temperature, and suspended sediment concentration. Volaric *et al.* 2020 used the data to calculate net ecosystem metabolism (NEM) which CV Carbon used in mass balances. Volaric *et al.* 2020 reported that oyster reefs NEM, or the balance between respiration and primary production was -68 mmol/m²/day in the summer and -11 mmolm⁻²day⁻¹ in the winter (Volaric *et al.* 2020). By assuming that 1/2 -year (182.5 days) could be attributed to each value, CV Carbon developed the -2.57 Metric Tons of CO₂/acre/year value for respiration due to reef.

6.3 Calculating CO₂ Emissions from Biomineralization

From Filgueira *et al.* 2019:



Bicarbonate can result from the hydration of metabolic carbon dioxide which is catalyzed by carbonic anhydrase in oyster haemocytes (Mount et al. 2004 and Song et al. 2019). The deposition of calcium carbonate is thought to generate a net sequestration explicitly resulting from individual biocalcification given that the precipitation of 1-mol of CaCO₃ releases approximately 0.6 mol of CO₂ due to the buffering effect of seawater (Filgueira *et al.* 2019 and Ware et al. 1992). Since seawater buffers the reaction to the left, retention of approximately 0.4-mol of carbonates (CO₃²⁻, HCO₃⁻, H₂CO₃) and the 1-mol of already precipitated CaCO₃ is proportionally applied:

$$2 \text{ moles } 2HCO_3^- \rightarrow \frac{0.6 \text{ mol } CO_2}{1.4 \text{ mol Carbonates}} = \frac{43\% \text{ potentially to atmosphere}}{57\% \text{ buried}}$$

43% of the mass of CO₂ stored geologically as CaCO₃ is deducted to account for biomineralization. This stoichiometric approach is conservative because it assumes that the fate of every H⁺ generates a CO₂ molecule and every CO₂ molecule makes it back into the atmosphere when this is certainly not the case. Other fates include CO₂ taken back up by the oysters to be used for additional shell formation, CO₂ used by autotrophs, or CO₂ buffered into other forms of carbonate. Part if not all the CO₂ generated from the biomineralization of shell is also accounted for in the deduction for NEM (average ecosystem metabolism), but because there is some disagreement in the scientific community about the processes for molluscan shell

formation, the conservative approach is taken and both deductions are included in the mass balance formula to avoid controversy.

Equation 7. Total annual CO₂ mass emitted from the Biomineralization

$$CO_{2,x}^{IBE} = \left(\sum_{y=1}^n CO_{2,y}^I \right) \times 0.43$$

Where:

$CO_{2,x}^{IBE}$ = Total annual CO₂ mass emitted (metric tons) resulting from the Biomineralization of CaCO₃

$CO_{2,y}^I$ = Total annual CO₂ mass (metric tons) geologically stored in the form of inorganic carbon (e.g. shell and CaCO₃) within each commercial shellfish lease.

n = Number of participating commercial shellfish leases.

0.43 = to calculate 43% of the mass of CO₂ stored which are potentially released emissions from biomineralization.

6.4 Carbon Footprint for habitat construction and sampling activities

Project emissions are GHGs that result from the construction of oyster habitat and from sampling activities. These emissions result from the transportation of cultch material to the commercial shellfish lease and for use of equipment during sampling. GHG emissions associated with the transportation of cultch material are calculated using the EPA’s GHG Inventory Development Process & Guidance Scope 3 Inventory requirements⁹ and the GHG Protocol's Corporate Value Chain (Scope 3) Accounting and Reporting Standard¹⁰. This required component of the mass balance calculation is the Total annual CO₂ mass emitted (metric tons) by Equipment used to transport Cultch Material to Commercial Shellfish Lease (CO₂E). Includes total CO₂ equivalent emissions for CH₄ and N₂O. See equation 5 above.

The EPA’s Simplified GHG Emissions Calculator was used to calculate the CO₂ equivalent (metric tons generated by the CV Carbon, LLC CCS program. In some instances, oyster leaseholders began placing cultch (construction) prior to 2023. Cultch placements that contributed to the CCS in 2023 were included so they could be deducted. Also, if the EPA’s Simplified GHG Emissions Calculator returned annual CO₂ emissions below 1 metric ton, the value was rounded up to 1 metric ton to ensure accurate accounting.

For Mobile Sources, including passenger transportation to vessels for tutorials, sampling efforts, and for verification were tabulated for each oyster cultivator. On road transportation distances were determined using Google Maps. Fuel usage (gallons) for waterborne transportation on vessels from docks to the leases for tutorials, sampling, and verification were tabulated for each oyster cultivator.

⁹ <https://www.epa.gov/climateleadership/scope-3-inventory-guidance#calculation>

¹⁰ <https://ghgprotocol.org/corporate-value-chain-scope-3-standard>

For Business Travel, CV Carbon, LLC kept records for trips to Louisiana from Texas for meetings, tutorial sampling, and for verification sampling. These are documented and tabulated for each oyster cultivator. On road transportation distances were again determined using Google Maps.

Emissions from Upstream Transport and Distribution were tracked using cultch receipts, leaseholder logs, and tax documents to document date and mass (tons) of cultch. On road transportation distances were determined using Google Maps. On water transportation distances were determined using the path tool on Google Earth. The Microsoft Snipping Application was used to record Google Earth path measurements. Following the EPA tool instructions, “To calculate ton-miles, multiply the weight transported (short tons) by the distance (miles) for each individual shipment. In Table 2, you can enter data either for individual shipments, or for the sum of ton-miles for multiple shipments.”

On the Summary page of the EPA’s Simplified GHG Emissions Calculator spreadsheet, each cultivator’s Scope 1, 2, and 3 CO₂-e (metric tons) are summed. This summed value is then divided by the number of leases included by a cultivator in the CCS project, which is then subtracted from the Total annual CO₂ mass stored (CO₂^S, Equation 1. Section 6) to determine Net total annual CO₂ stored. If a lease has less CCS than the equally portioned CO₂^E then the lease can be excluded, and the remaining CO₂^E must be equally distributed to the other leases for the cultivator.

6.5 Reporting

The data will be analyzed on a quarterly basis and will be reported annually to the EPA GHG Reporting program. Oyster abundance sampling is performed annually, with at least 4 months between sampling efforts to avoid temporal autocorrelation. Per the sampling and QA/QC plan, replicate/duplicate samples can be observed by or taken by an independent verification contractor. Verification sampling must occur no later than the end of the first quarter in the calendar year following the sample dates.

6.6 Determining Oyster Density

6.6.1 Using the oyster dredge to survey oyster abundance

Contemporary on-bottom shellfish cultivation uses rake-like dredges to harvest planted shellfish seed or recruited stocks from leased beds (NOAA 2011). Oyster dredges generally consist of a steel frame, with teeth on the bottom bar, and a bag attached to the frame which collects the catch as it is dragged along the bottom. Dredges are designed to allow smaller particles to pass through while retaining larger ones. Multiple studies have sought to resolve and implement a definitive measure of oyster dredge efficiency to improve the accuracy of survey data (Powell et al. 2002; Powell and Ashton-Alcox 2004; Powell et al. 2007; Marengi et al. 2017; Morson et al. 2018). These studies estimate efficiency (e) by comparing the oyster counts from diver quadrats or hydraulic patent tong samples to those from dredges sampled from the same approximate area. The dredge efficiency can then be used to derive a catchability coefficient (q) which can be applied to the dredge sample count to adjust for the inherent inefficiency.

Equation 8. Oyster density adjusted for gear efficiency

$$N = qn_s$$

Where:

N = Oyster Abundance

q = catchability coefficient

n_s = survey catch

Equation 9. Catchability Coefficient

$$q = \frac{A}{dwe}$$

Where:

q = catchability coefficient

A = the area surveyed

dw = swept area (m^2) distance towed by the dredge inside width.

e = the efficiency of capture of the dredge

Equation 10. Oyster density without the Catchability Coefficient

$$N = \frac{A}{dwe} \times n_s$$

Since A and dw are effectively the same the calculation can be reduced to:

Equation 11. Simplification of Equation 10.

$$N = \frac{n_s}{e}$$

Morson et al. (2018) found that dredge capture efficiency was density dependent, specifically, when oyster densities were low, the dredge was likely to capture oysters more efficiently in the dredge path, but as density increased, the vertical relief of the reef, cementation, and consolidation likely increase as well making it more difficult for the dredge to efficiently capture the oysters in the dredge path (Morson et al. 2018). Morson et al. (2018) provide 7.3 and 8.26 as the average catchability coefficients at medium mortality levels. Powell et al. 2007 reported a dredge mean efficiency for market sized oysters of 10.9%. Marenghi et al. 2017 reported an all-bed mean dredge efficiency of 13.8%. Pollack and Palmer (2020) reported an average dredge efficiency of 12.5%. Per communications with the Texas Parks and Wildlife Department, they mentioned that they assume a 10%, or 0.1, dredge efficiency to their data for fisheries management purposes. With 10% being a rough middle point between the other reported

values and being used in stock management, CV Carbon applies the 10% efficiency approximation to determine oyster abundance from the dredge sample data.

6.7 Calculating Total Oysters (all age classes) using published proportions.

The sample method had to be rapid and easily repeatable. For this reason, oyster counts were performed on the sample vessels immediately after sampling and only involved counting oyster over 75 mm which are considered market size and adults. This allowed for live oysters and cultch to be returned to the lease shortly after the count is performed. Also, commercial oyster fishermen are accustomed to sorting the oysters to ensure that smaller oyster (<75 mm) are culled and returned to the water.

Equation 12. Adjusted Survey Count for all Age Classes

$$n_s = n_A \cdot p_f$$

Where

n_s = adjusted survey catch (total for all age classes)

n_A = the adult oyster count from a sample.

p_f = the proportionality factor of average adult oysters to total oysters (all age classes).

Equation 13. Proportionality factor of average adult oysters to total oysters

$$p_f = \frac{1}{p_a}$$

Where

p_f = the proportionality factor of average adult oysters to total oysters (all age classes).

p_a = the average proportion of samples that are adult oysters.

Equation 14. Published average for adult oyster proportionality.

$$p_a = \frac{\left[\frac{\sum_r^R AO_r}{R} \right]}{\left[\frac{\sum_r^R TO_r}{R} \right]}$$

Where

p_a = the average proportion of samples that are adult oysters.

AO = Average number of Adult Oysters per sample

TO = Total average number of oysters (all age classes)

R = number of reefs or sampled areas with average (means) oyster densities by length or age in a study.

Table 5. Published TO_r and AO_r values.

Study	Number of Reefs	TO_r	AO_r	p_f
Marenghi <i>et al.</i> 2017	10 (2 separate years->20 samples)	114	17	6.7
La Peyer <i>et al.</i> 2014	6	819	32	25
Windle <i>et al.</i> 2022	15	1399	225	6.2

7.0 Quality Control and Quality Assurance (QA/QC) Plan

7.1 Overview QA/QC Plan

InControl Technologies is providing a comprehensive review of the mass balance calculation, the supporting information, the MRV Plan, and the 2023 data analysis for the CCS project. CV Carbon, LLC, provided us with all pertinent documentation including: the mass balance calculations, the MRV Plan, the QAPP plan, and all the data taken during the calendar year 2023. InControl Technologies collaborated with CV Carbon on the formulation of the QA/QC Plan for data gathering, handling, and storage.

In administering the QA/QC Plan, InControl Technologies accompanied CV Carbon, LLC to perform replicates of the dredge sampling with a minimum of 1 in 10 replicate samples. Dredge sampling replication was determined to be essential because the original samples were taken by multiple individuals before InControl Technologies was retained to provide the independent/third-party verification for the 2023 calculations.

7.2 Data Generation and Acquisition

7.2.1 Sampling Process Design

The elements for the generation of data are provided in Section 7.0 of this document.

The poling data, a set of points, is used to interpolate the spatial extent of benthic characteristics within the commercial shellfish leases. The oyster densities are calculated from the dredge tow data, which is then correlated to the benthic characteristics within the area swept by the dredge tow to calculate the relative oyster density within each commercial lease. Polygons are then generated for the categorized rates of carbon capture and storage taken from the non-linear regression (Section 6.1, Figure 9).

7.2.2 Sample Handling and Custody

Sampling involves the collection and counting of living oysters which are regulated by State Agencies' who prefer that they are returned to the water after evaluation. To provide long-term documentation of each sample is photographed using the GIS mobile App, which records the GSP location, date/time stamp, and the User ID of the person taking the picture. All data taken on mobile devices is uploaded to ESRI Servers where it is stored in an unmodified state. To verify sample densities, replicate sampling was performed with observers present from InControl Technologies, in the approximate location of the original sample. Photographs of samples with time stamp and GPS location were recorded for each sample taken using the ESRI Field Maps Mobile Device Application. Logs were taken in the field to create a back up to the digitally recorded data.

7.3 Data Validation and Usability

7.3.1 Addressing Missing Data

Oyster Dredge Sample Data is downloaded as a CSV file. Samples missing variables (Oyster Count, dredge width, and tow distance) can be checked against field logs. If field logs contain the correct lease number, date and time, and the missing variable is present, it can be added to the online digital database. These changes must all be documented and provided to the verifier for their review.

7.3.2 Analysis Quality Assessment Elements

The elements in this section address the QA assessment criteria.

Data Analysis Validation:

1. Do CCS polygons overlap with poling data that contains 5% or less non-oyster habitat (mud, buried reef, and firm bottom) points? (non-oyster habitat points/Total Poling Points * 100)
 - If 5% or less, then proceed to question 2.
 - If greater than 5%, adjust the IDW power and re-run the analysis until the 5% requirement is met. If the 5% requirement cannot be attained for a polygon it can be discarded or additional sampling can be performed to remove errors.
2. Are there at least 2 dredge samples in the lease? (Verification samples can count as the second sample).
 - If at least 2 dredge samples were taken in the lease, continue to question 3.
 - If less than 2 dredge samples were taken in the lease, adjacent leases can be checked, if samples are in features that span reef boundaries, they can count towards the 2-dredge sample minimum, and you can move to question 3. If there are no explanatory dredge samples in the adjacent leases and there are less than 2 samples in a lease, the CCS polygons must be discarded until the minimum requirement is met.
3. Do all CCS polygons in the lease contain at a minimum of 1 dredge sample per 25 acres? (may include dredge samples from adjacent leases if the habitat spans a lease boundary)
 - If all CCS polygons in the lease contain at a minimum of 1 dredge sample per 25 acres, then the Analysis Validation is complete for the lease.
 - If CCS polygons in the lease contain less than 1 dredge sample per 25 acres, then the Analysis Validation is complete for the lease. adjacent leases can be checked, if samples are in features that span reef boundaries, they can count towards the 25 acres requirement, and in this instance the Analysis Validation is complete for the lease. If there are no explanatory dredge samples in the adjacent leases and there is less than 1 dredge sample per 25 acres of a CCS feature, the CCS polygons must be discarded until the minimum requirement is met by additional sampling.

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Appendix A: Table of Facilities

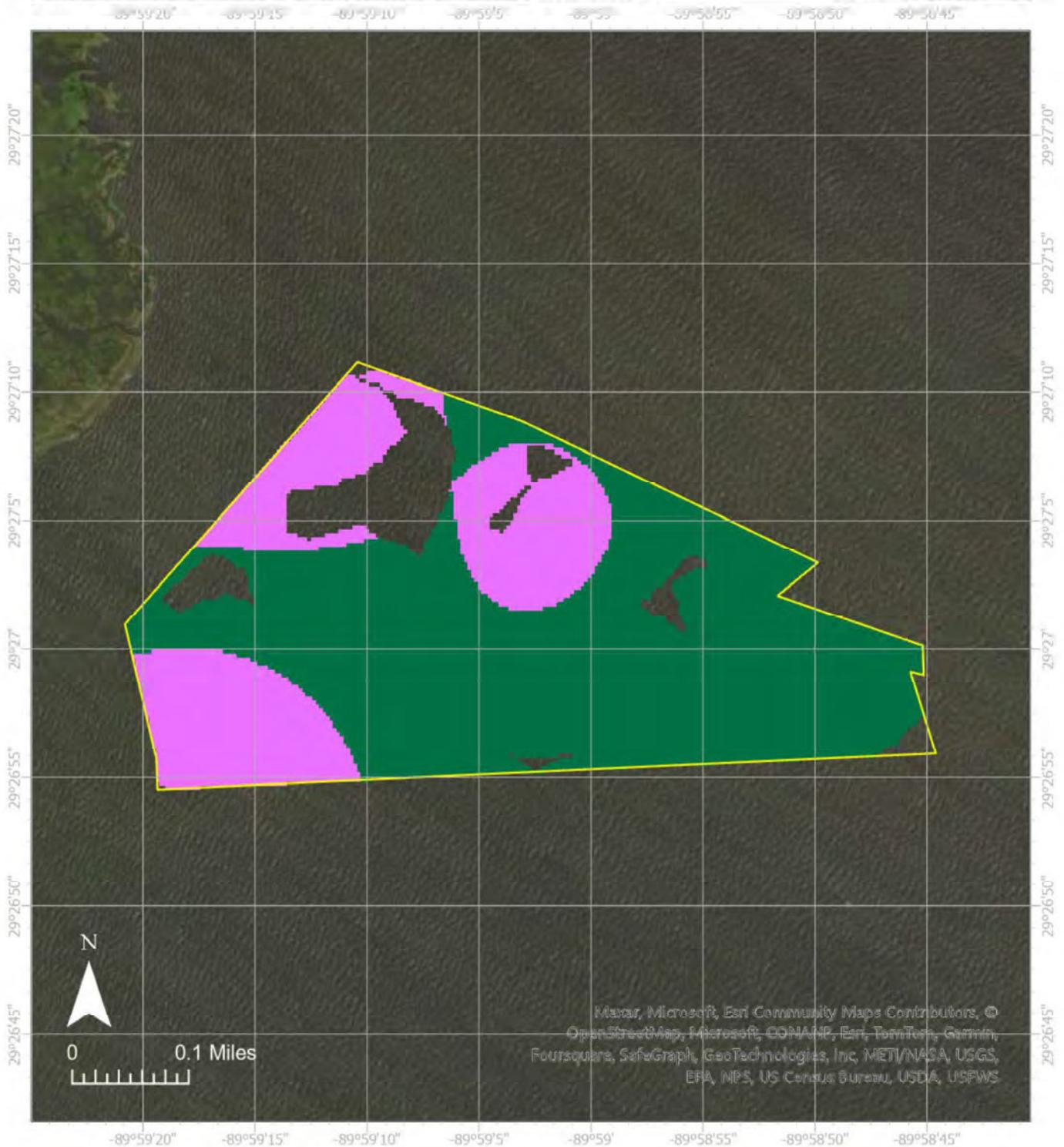
GHGRP ID	Facility Name	Latitude	Longitude	ACRES	DR	Facility Owner	Facility Operator
588842	3131420	29.32526424	-89.59327042	29	Jeffrey Pinsky	BAYOU CANARD, INC.	CV CARBON, LLC
588843	3188221	29.27020079	-89.5718069	11	Jeffrey Pinsky	BAYOU CANARD, INC.	CV CARBON, LLC
588844	3445210	29.32801155	-89.59099528	61	Jeffrey Pinsky	BAYOU CANARD, INC.	CV CARBON, LLC
588930	3404709	29.99375024	-89.2299662	572	Jeffrey Pinsky	BAYOU CARLIN FISHERIES, INC.	CV CARBON, LLC
588931	2667713	29.45033783	-89.98457	3	Jeffrey Pinsky	BOZIDAR CIBILIC & BOZIDAR J. CIBILIC	CV CARBON, LLC
588932	3128022	29.44900606	-89.9891744	79	Jeffrey Pinsky	BOZIDAR CIBILIC & BOZIDAR J. CIBILIC	CV CARBON, LLC
588933	3466710	29.98367662	-89.31222815	109	Jeffrey Pinsky	BOZIDAR CIBILIC & BOZIDAR J. CIBILIC	CV CARBON, LLC
588934	3641117	29.3633137	-89.66140313	9	Jeffrey Pinsky	BRIDGET CARGILL ALEXIS	CV CARBON, LLC
588935	3577214	29.52031613	-91.92906347	599	Jeffrey Pinsky	CAPT. NICK, INC.	CV CARBON, LLC
588936	2677413	29.45662801	-89.81412235	35	Jeffrey Pinsky	CAPT. PETE'S OYSTER FARM, LLC	CV CARBON, LLC
588937	2815916	29.48066003	-89.76054688	14	Jeffrey Pinsky	CAPT. PETE'S OYSTER FARM, LLC	CV CARBON, LLC
588938	3218611	29.45878524	-89.77876841	111	Jeffrey Pinsky	CAPT. PETE'S OYSTER FARM, LLC	CV CARBON, LLC
588939	3368909	29.45748686	-89.77844199	24	Jeffrey Pinsky	CAPT. PETE'S OYSTER FARM, LLC	CV CARBON, LLC
588940	3672213	29.37967308	-90.01674949	514	Jeffrey Pinsky	CAPT. PETE'S OYSTER FARM, LLC	CV CARBON, LLC
588845	3393409	29.27959418	-89.56673251	3	Jeffrey Pinsky	DANNELL B. JURISICH	CV CARBON, LLC
588846	3574113	29.28107169	-89.55505491	3	Jeffrey Pinsky	DANNELL B. JURISICH	CV CARBON, LLC
588847	3667013	29.30771959	-89.59479856	8	Jeffrey Pinsky	DANNELL B. JURISICH	CV CARBON, LLC
588848	2710314	29.405356	-89.67913084	73	Jeffrey Pinsky	FOX SEAFOODS, INC.	CV CARBON, LLC
588849	2861116	29.35893817	-89.67460638	84	Jeffrey Pinsky	FOX SEAFOODS, INC.	CV CARBON, LLC
588850	2908817	29.3589549	-89.63599375	39	Jeffrey Pinsky	FOX SEAFOODS, INC.	CV CARBON, LLC
588851	3337823	29.37759809	-89.62401953	28	Jeffrey Pinsky	FOX SEAFOODS, INC.	CV CARBON, LLC
588852	3445410	29.37555845	-89.62114267	67	Jeffrey Pinsky	FOX SEAFOODS, INC.	CV CARBON, LLC
588853	3469911	29.28225895	-89.5468358	79	Jeffrey Pinsky	FOX SEAFOODS, INC.	CV CARBON, LLC
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588855	3095420	29.27324191	-89.56454212	9	Jeffrey Pinsky	FRANK J. JURISICH	CV CARBON, LLC
588856	3150421	29.33620693	-89.59098299	3	Jeffrey Pinsky	FRANK J. JURISICH	CV CARBON, LLC
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588858	3221821	29.26620886	-89.57466683	2	Jeffrey Pinsky	FRANK J. JURISICH	CV CARBON, LLC
588859	3229622	29.26412594	-89.60066135	27	Jeffrey Pinsky	FRANK J. JURISICH	CV CARBON, LLC
588860	3560012	29.26318263	-89.5722957	3	Jeffrey Pinsky	FRANK J. JURISICH	CV CARBON, LLC
588861	3564612	29.26711065	-89.57945422	433	Jeffrey Pinsky	FRANK J. JURISICH	CV CARBON, LLC
588862	2829116	29.29866943	-89.59570334	430	Jeffrey Pinsky	G. I. JOE, INC.	CV CARBON, LLC
588863	3283422	29.26615214	-89.57031313	34	Jeffrey Pinsky	G. I. JOE, INC.	CV CARBON, LLC
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588866	2861216	29.34122019	-89.58990459	9	Jeffrey Pinsky	GRASSHOPPER OYSTERS, INC.	CV CARBON, LLC
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588867	2776115	29.47751365	-91.93170942	293	Jeffrey Pinsky	GULF OYSTERS I, INC.	CV CARBON, LLC
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588872	3549412	29.40920435	-91.85035202	17	Jeffrey Pinsky	GULF OYSTERS I, INC.	CV CARBON, LLC
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588874	2955018	29.45934465	-91.90381099	875	Jeffrey Pinsky	GULF OYSTERS II, INC.	CV CARBON, LLC
588875	3104720	29.37099802	-89.61966271	309	Jeffrey Pinsky	GULF OYSTERS II, INC.	CV CARBON, LLC
588876	3136921	29.50038098	-91.8705758	1000	Jeffrey Pinsky	GULF OYSTERS II, INC.	CV CARBON, LLC
588877	3202421	29.38152207	-89.62230469	45	Jeffrey Pinsky	GULF OYSTERS II, INC.	CV CARBON, LLC
588878	3656111	29.4978508	-91.94066976	152	Jeffrey Pinsky	GULF OYSTERS II, INC.	CV CARBON, LLC
588879	2909017	29.45995568	-91.82603301	1000	Jeffrey Pinsky	GULF OYSTERS III, INC.	CV CARBON, LLC
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588882	2924118	29.4032674	-91.84722056	408	Jeffrey Pinsky	GULF OYSTERS III, INC.	CV CARBON, LLC
588883	2874417	29.52010061	-91.98498426	481	Jeffrey Pinsky	GULF OYSTERS IV, INC.	CV CARBON, LLC
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588955	3574813	29.82455693	-89.37572014	12	Jeffrey Pinsky	JEFFERY P. GALLET, JR.	CV CARBON, LLC
588956	3632316	29.3646268	-89.64863464	76	Jeffrey Pinsky	JEFFERY P. GALLET, JR.	CV CARBON, LLC
588957	3675914	29.93469216	-89.25167219	103	Jeffrey Pinsky	JEFFERY P. GALLET, JR.	CV CARBON, LLC
588958	3680119	29.94745432	-89.33191052	138	Jeffrey Pinsky	JEFFERY P. GALLET, JR.	CV CARBON, LLC
588959	404	29.48184261	-94.88882735	46	Jeffrey Pinsky	RUZICA JURISICH	CV CARBON, LLC
588960	424	29.46806504	-94.89555398	37	Jeffrey Pinsky	JURISICH & SONS, INC	CV CARBON, LLC
588961	425	29.47207844	-94.89784158	61	Jeffrey Pinsky	FRANCES IVICH JURISICH	CV CARBON, LLC
588962	3465010	29.3603491	-90.60567535	65	Jeffrey Pinsky	JPG OYSTER FARMS, LLC	CV CARBON, LLC
588963	2760015	29.25162682	-90.67180225	27	Jeffrey Pinsky	JPG PREMIUM OYSTERS, LLC	CV CARBON, LLC
588964	2960513	29.22501137	-90.6458714	62	Jeffrey Pinsky	JPG PREMIUM OYSTERS, LLC	CV CARBON, LLC
588965	3301523	29.2318686	-90.647924	123	Jeffrey Pinsky	JPG PREMIUM OYSTERS, LLC	CV CARBON, LLC

588966	3463110	29.97176859	-89.31260006	157	Jeffrey Pinsky	JURE'S OYSTERS, LLC	CV CARBON, LLC
588967	2685313	29.38194851	-89.61905745	55	Jeffrey Pinsky	KUZMA I. TESVICH, JR.	CV CARBON, LLC
588968	2891617	29.38933577	-89.62801638	52	Jeffrey Pinsky	KUZMA I. TESVICH, JR.	CV CARBON, LLC
588969	3119220	29.38912389	-89.61642813	7	Jeffrey Pinsky	KUZMA I. TESVICH, JR.	CV CARBON, LLC
588970	3467010	29.99067767	-89.31229716	174	Jeffrey Pinsky	LEPETICH AQUACULTURE, LLC	CV CARBON, LLC
588971	3137221	29.26833171	-89.56688382	16	Jeffrey Pinsky	LITTLE FRANK, INC.	CV CARBON, LLC
588972	3445810	29.25611255	-89.56474403	111	Jeffrey Pinsky	LITTLE MITCH, INC.	CV CARBON, LLC
588973	2694813	29.71011704	-89.58457959	78	Jeffrey Pinsky	M.J. LEPETICH OYSTERS, L.L.C.	CV CARBON, LLC
588974	3605915	29.8285723	-89.39616627	89	Jeffrey Pinsky	M.J. LEPETICH OYSTERS, L.L.C.	CV CARBON, LLC
588975	420	29.48665055	-94.65841307	42	Jeffrey Pinsky	Michael Ivic	CV CARBON, LLC
588976	422	29.50751602	-94.66031	37	Jeffrey Pinsky	Michael Ivic	CV CARBON, LLC
588977	2872717	29.43695804	-91.82792751	40	Jeffrey Pinsky	MISHO'S QUALITY OYSTERS, L.L.C.	CV CARBON, LLC
588978	2980819	29.57290884	-92.06591765	902	Jeffrey Pinsky	MISHO'S QUALITY OYSTERS, L.L.C.	CV CARBON, LLC
588979	3453410	29.98934953	-89.28091321	40	Jeffrey Pinsky	MISHO'S QUALITY OYSTERS, L.L.C.	CV CARBON, LLC
588980	3457510	29.98914819	-89.28721119	281	Jeffrey Pinsky	MISHO'S QUALITY OYSTERS, L.L.C.	CV CARBON, LLC
588981	3652511	29.97850149	-89.33924927	180	Jeffrey Pinsky	MISHO'S QUALITY OYSTERS, L.L.C.	CV CARBON, LLC
588982	3652611	30.00461448	-89.38172583	30	Jeffrey Pinsky	MISHO'S QUALITY OYSTERS, L.L.C.	CV CARBON, LLC
588983	2797215	29.3584036	-89.60091356	154	Jeffrey Pinsky	MITCHELL B. JURISICH, JR.	CV CARBON, LLC
588984	2863716	29.31849321	-89.59853565	3	Jeffrey Pinsky	MITCHELL B. JURISICH, JR.	CV CARBON, LLC
588985	3162421	29.26833356	-89.58022367	175	Jeffrey Pinsky	MITCHELL B. JURISICH, JR.	CV CARBON, LLC
588986	3247422	29.33283669	-89.59044218	39	Jeffrey Pinsky	MITCHELL B. JURISICH, JR.	CV CARBON, LLC
588987	3247522	29.33409411	-89.57554073	74	Jeffrey Pinsky	MITCHELL B. JURISICH, JR.	CV CARBON, LLC
588988	3431510	29.33783119	-89.58056972	12	Jeffrey Pinsky	MITCHELL B. JURISICH, JR.	CV CARBON, LLC
588989	3478011	29.33420751	-89.57883128	46	Jeffrey Pinsky	MITCHELL B. JURISICH, JR.	CV CARBON, LLC
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588992	3644112	29.31038662	-89.59546939	4	Jeffrey Pinsky	MITCHELL B. JURISICH, JR. AND FRANK J. JURISICH	CV CARBON, LLC
588993	3644812	29.33319953	-89.5773072	9	Jeffrey Pinsky	MITCHELL B. JURISICH, JR. AND FRANK J. JURISICH	CV CARBON, LLC
588994	3644912	29.33625067	-89.5878607	13	Jeffrey Pinsky	MITCHELL B. JURISICH, JR. AND FRANK J. JURISICH	CV CARBON, LLC
588995	2936813	29.22647924	-90.65077724	13	Jeffrey Pinsky	OYSTER EAGLE 10, LLC	CV CARBON, LLC
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588999	2831216	29.34139042	-89.64078342	31	Jeffrey Pinsky	OYSTER EAGLE 2, LLC	CV CARBON, LLC
589001	3168721	29.31103028	-89.59060522	36	Jeffrey Pinsky	OYSTER EAGLE 2, LLC	CV CARBON, LLC
589002	3590014	29.24025629	-90.65840135	12	Jeffrey Pinsky	OYSTER EAGLE 5, LLC	CV CARBON, LLC
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589021	3081020	29.33489215	-90.64887228	36	Jeffrey Pinsky	OYSTER EAGLE 8, LLC	CV CARBON, LLC
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589044	2797015	29.32722824	-89.6213166	16	Jeffrey Pinsky	OYSTER EAGLE, L.L.C.	CV CARBON, LLC
589045	2815516	29.36953625	-89.65375107	126	Jeffrey Pinsky	OYSTER EAGLE, L.L.C.	CV CARBON, LLC
589046	2850316	29.3331483	-89.62372413	7	Jeffrey Pinsky	OYSTER EAGLE, L.L.C.	CV CARBON, LLC
589047	2850416	29.31507485	-89.62439286	22	Jeffrey Pinsky	OYSTER EAGLE, L.L.C.	CV CARBON, LLC
589048	2861016	29.36259049	-89.69380065	20	Jeffrey Pinsky	OYSTER EAGLE, L.L.C.	CV CARBON, LLC
589049	2885517	29.3679153	-89.63627703	82	Jeffrey Pinsky	OYSTER EAGLE, L.L.C.	CV CARBON, LLC
589050	3156021	29.31490122	-89.62381005	9	Jeffrey Pinsky	OYSTER EAGLE, L.L.C.	CV CARBON, LLC
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589052	3520212	29.29985012	-89.57296473	25	Jeffrey Pinsky	OYSTER EAGLE, L.L.C.	CV CARBON, LLC
589053	3640017	29.36403065	-89.65086063	13	Jeffrey Pinsky	OYSTER EAGLE, L.L.C.	CV CARBON, LLC
589054	3657912	29.36712206	-89.6491236	2	Jeffrey Pinsky	OYSTER EAGLE, L.L.C.	CV CARBON, LLC
589055	2724314	30.02977376	-89.24330077	33	Jeffrey Pinsky	PEARL RIVER FISHERIES OF LOUISIANA, L.L.C.	CV CARBON, LLC
589056	3386809	30.00250927	-89.26016181	382	Jeffrey Pinsky	PEARL RIVER FISHERIES OF LOUISIANA, L.L.C.	CV CARBON, LLC
589057	3404009	29.99383248	-89.26171045	159	Jeffrey Pinsky	PEARL RIVER FISHERIES OF LOUISIANA, L.L.C.	CV CARBON, LLC
589058	3576413	29.98262571	-89.28087402	343	Jeffrey Pinsky	PEARL RIVER FISHERIES OF LOUISIANA, L.L.C.	CV CARBON, LLC
589059	3247922	29.25767525	-89.57312532	152	Jeffrey Pinsky	PELICAN ISLAND OYSTERS, INC.	CV CARBON, LLC
589060	2756615	29.2981559	-89.58439117	11	Jeffrey Pinsky	PETER G. VUJNOVICH, JR.	CV CARBON, LLC
589061	3010911	29.45556092	-89.81935315	21	Jeffrey Pinsky	PETER VUJNOVICH, JR. & FRANK VUJNOVICH	CV CARBON, LLC
589062	3161309	29.25793158	-89.58217418	26	Jeffrey Pinsky	PRINCE CHARMING, INC.	CV CARBON, LLC
589063	3161621	29.27345709	-89.58284598	222	Jeffrey Pinsky	PRINCE CHARMING, INC.	CV CARBON, LLC
589064	3248122	29.33075652	-89.58189114	81	Jeffrey Pinsky	PRINCE CHARMING, INC.	CV CARBON, LLC
589065	3248222	29.33815641	-89.58746143	106	Jeffrey Pinsky	PRINCE CHARMING, INC.	CV CARBON, LLC
589070	3551312	29.33112129	-90.54608687	17	Jeffrey Pinsky	JEFFERY P. GALLET	CV CARBON, LLC
589071	405	29.47622117	-94.8791017	11	Jeffrey Pinsky	Romeo Bilcic	CV CARBON, LLC
589072	406	29.47658672	-94.8893652	11	Jeffrey Pinsky	Romeo Bilcic	CV CARBON, LLC
589066	2893217	29.38542758	-89.60984525	77	Jeffrey Pinsky	SHELL ISLAND, INC.	CV CARBON, LLC
589067	3161409	29.2652112	-89.59010151	175	Jeffrey Pinsky	SHELL ISLAND, INC.	CV CARBON, LLC
589073	2910018A	29.57971314	-92.07055565	892	Jeffrey Pinsky	SLABIC OYSTERS, L.L.C. AND GULF OYSTERS, VI, INC.	CV CARBON, LLC
589074	2910018C	29.57960399	-92.05656514	892	Jeffrey Pinsky	SLABIC OYSTERS, L.L.C. AND GULF OYSTERS, VI, INC.	CV CARBON, LLC
589075	2910018B	29.56686665	-92.062307	892	Jeffrey Pinsky	SLABIC OYSTERS, L.L.C. AND MISHOS QUALITY OYSTERS	CV CARBON, LLC
589068	2876022	29.28354977	-89.57347565	286	Jeffrey Pinsky	TESVICH OYSTER CORPORATION	CV CARBON, LLC
589069	3650111	29.39233876	-89.61845045	2	Jeffrey Pinsky	TESVICH OYSTER CORPORATION	CV CARBON, LLC
589076	3668613	29.39305318	-89.69199266	15	Jeffrey Pinsky	THE SHELLEY COMPANY, INC.	CV CARBON, LLC

Appendix B: Mapbook of Facilities



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Lease Holder: BOZIDAR CIBILIC & BOZIDAR J. CIBILIC
 Lease Number: 2667713
 Latitude: 29.45034, Longitude -89.98457
 Location: BARATARIA BAY
 Area: 79 acres

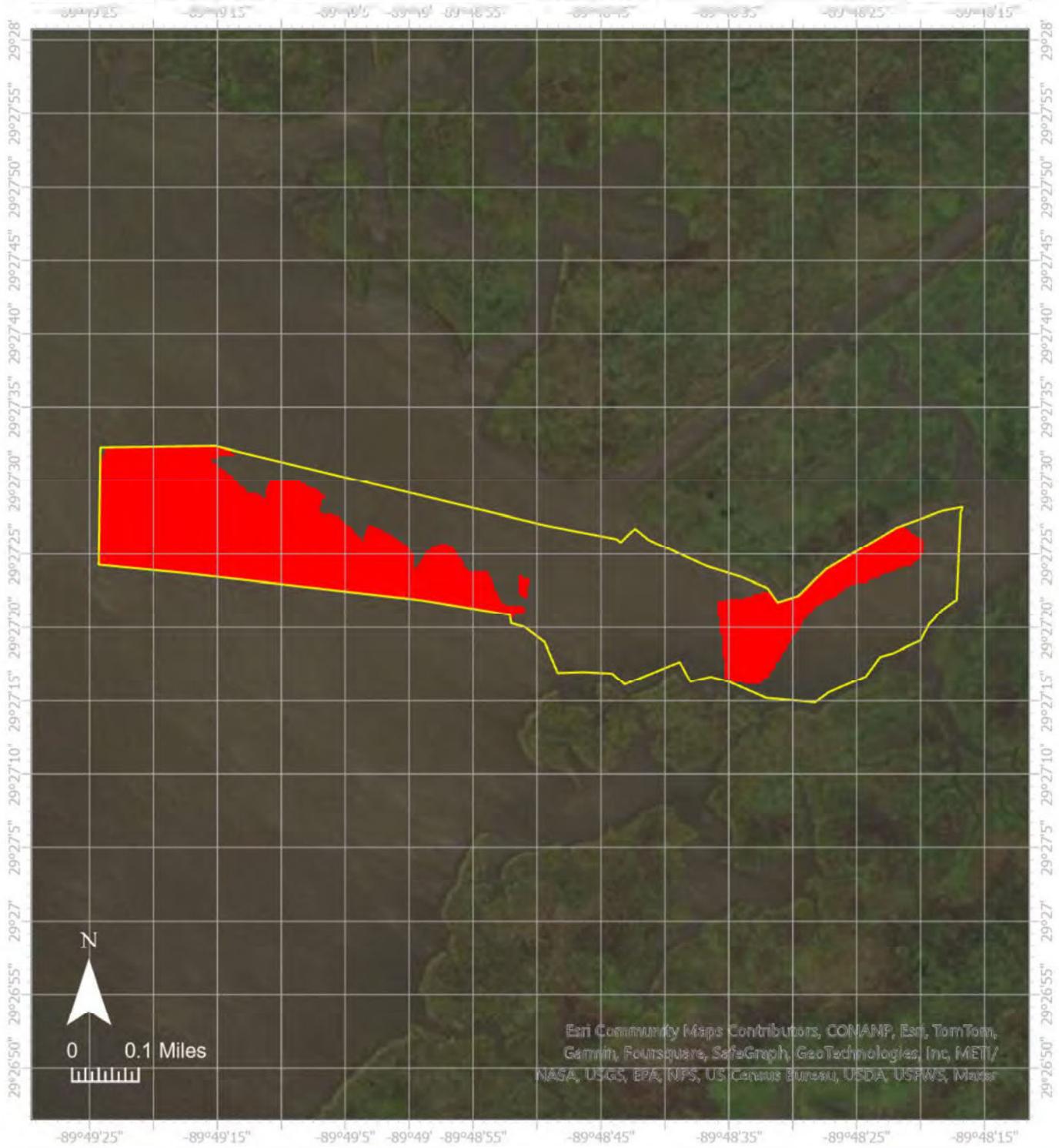
7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year – 21.61

19.36 MT CO₂/acre/year – 49.65

Lease Boundary



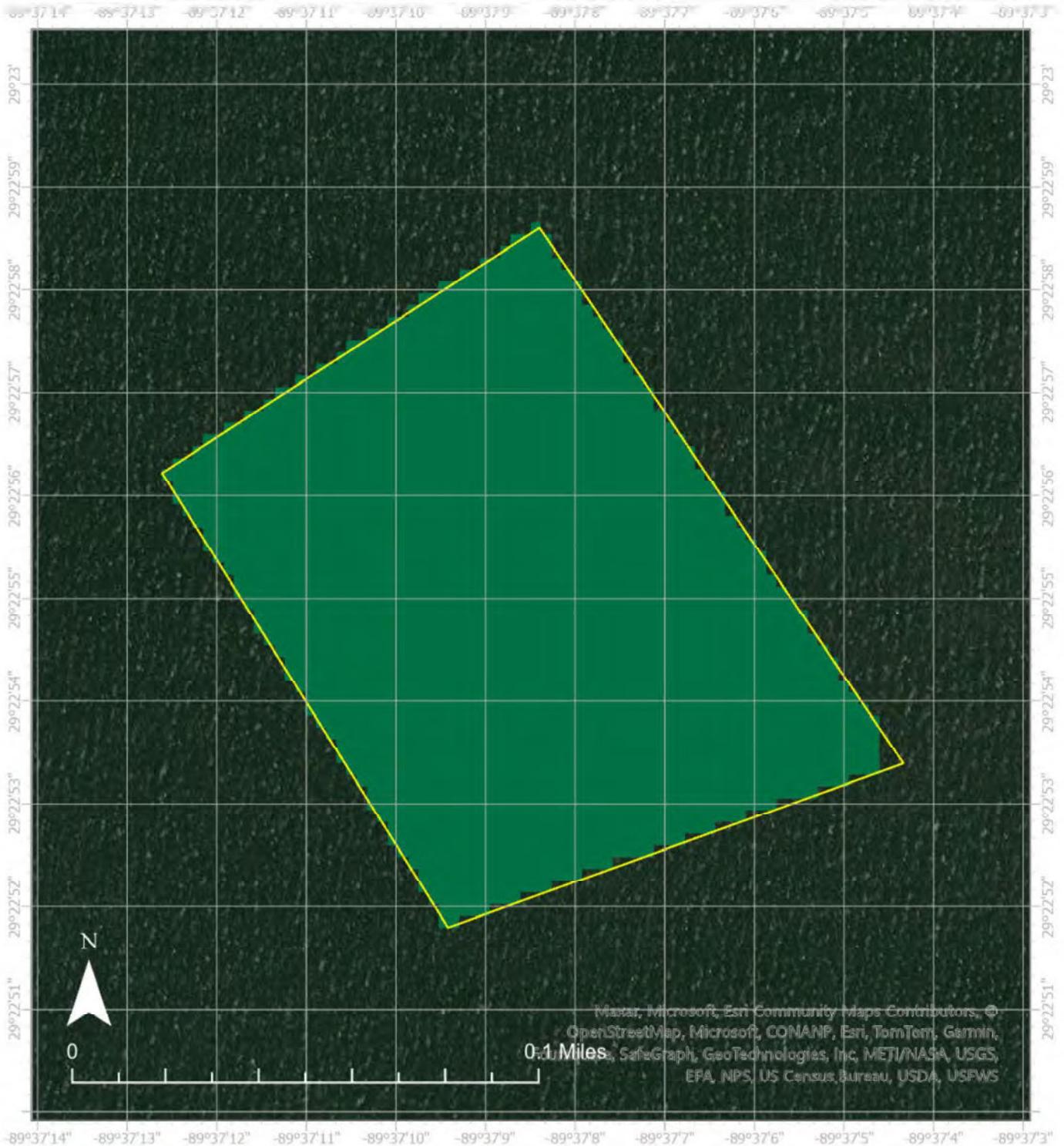


Esri Community Maps Contributors, COMANP, Esri, TomTom, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/ NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Maxar

Lease Holder: CAPT. PETE'S OYSTER FARM, LLC
 Lease Number: 2677413
 Latitude: 29.45663, Longitude -89.81412
 Location: BAY BATISTE AND BAYOU DULAC
 Area: 111 acres

7.62 MT CO₂/acre/year – 48.84
 13.45 MT CO₂/acre/year –
 19.36 MT CO₂/acre/year –





Lease Holder: KUZMA I. TESVICH, JR.
 Lease Number: 2685313
 Latitude: 29.38195, Longitude -89.61906
 Location: ADAMS BAY
 Area: 7 acres

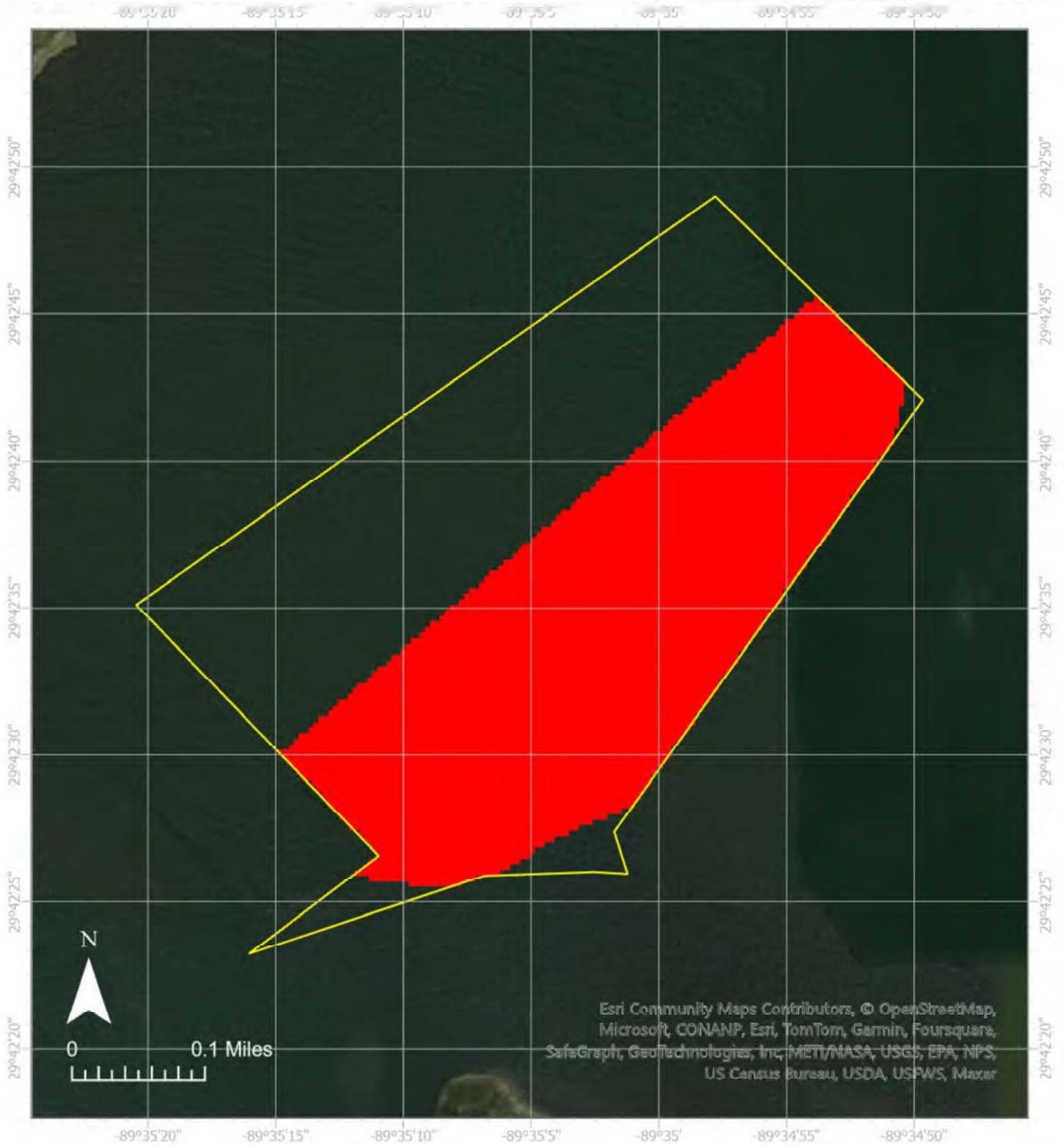
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year -

19.36 MT CO₂/acre/year - 6.05

Lease Boundary





Lease Holder: M.J. LEPETICH OYSTERS, L.L.C.
 Lease Number: 2694813
 Latitude: 29.71012, Longitude -89.58458
 Location: A BAY NORTH OF LAKE CALEBASSE
 Area: 78 acres

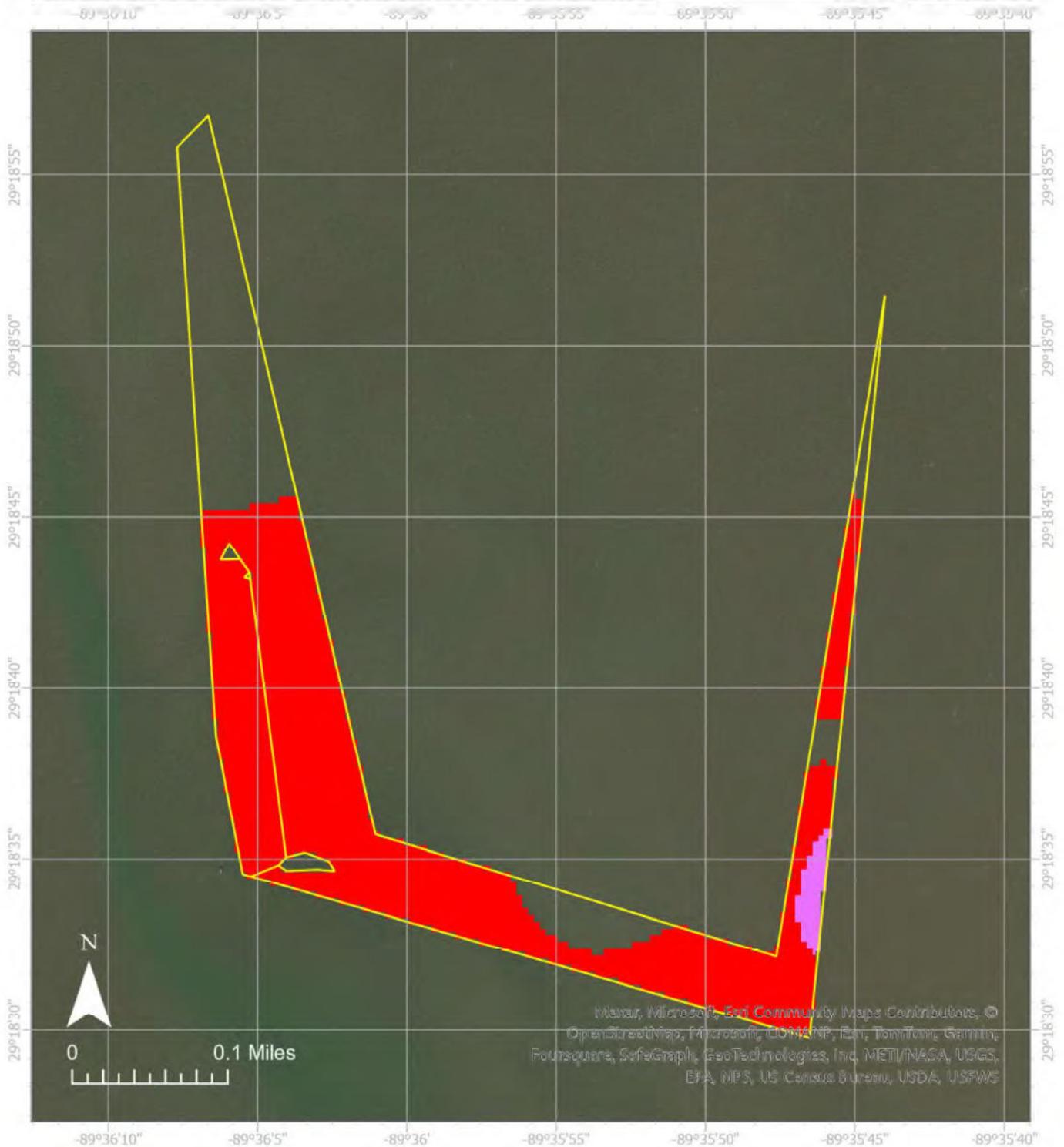
7.62 MT CO₂/acre/year – 41.10

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: GULF STAR OYSTERS, INC.
 Lease Number: 2702813
 Latitude: 29.30923, Longitude -89.59885
 Location: A BAY EAST OF BAYOU LONG AND WEST OF BAYOU TORTILLON. Portion of lease acquired by CPRA
 Area: 25 acres

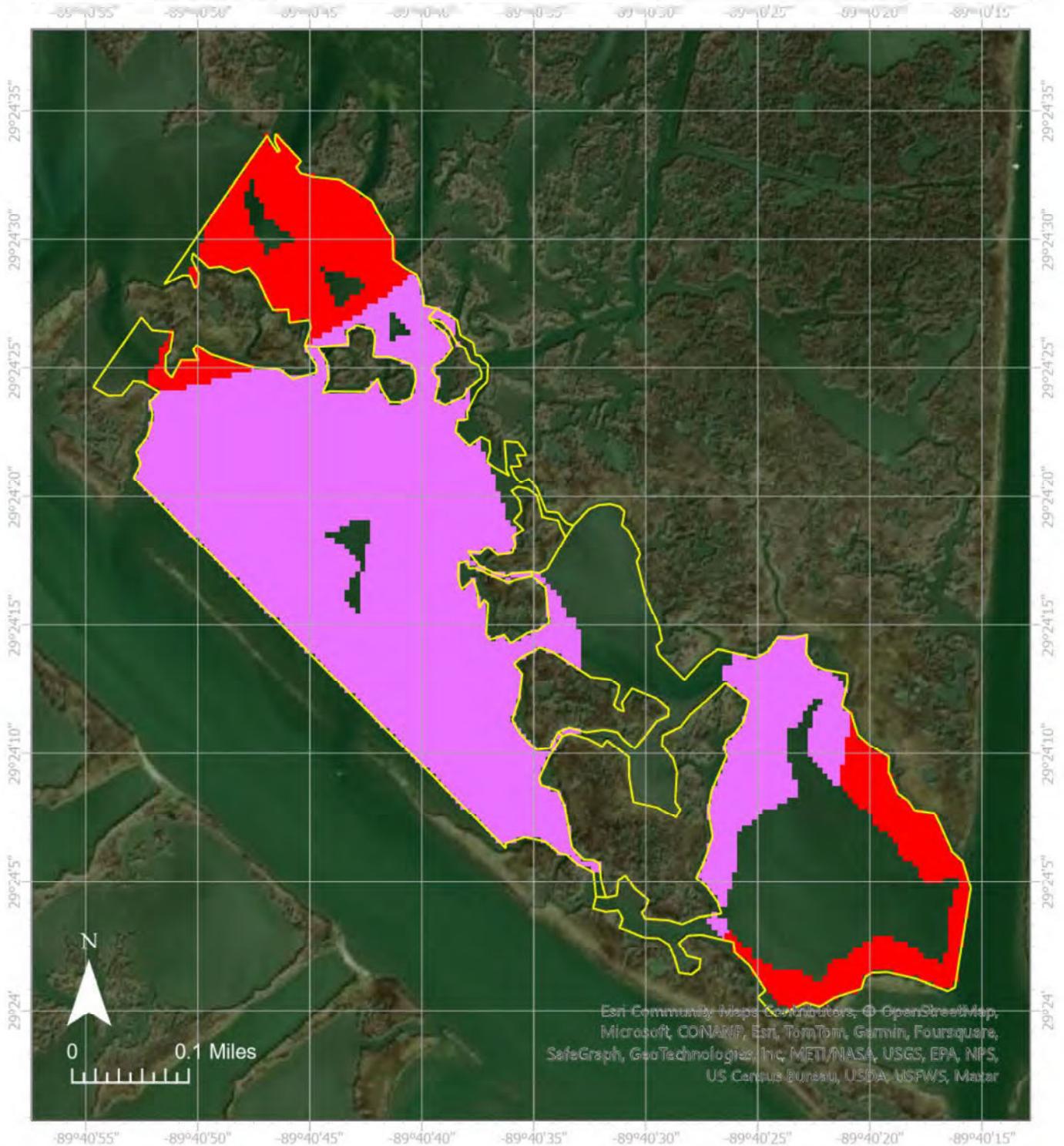
7.62 MT CO₂/acre/year – 16.56

13.45 MT CO₂/acre/year – 0.39

19.36 MT CO₂/acre/year –

Lease Boundary





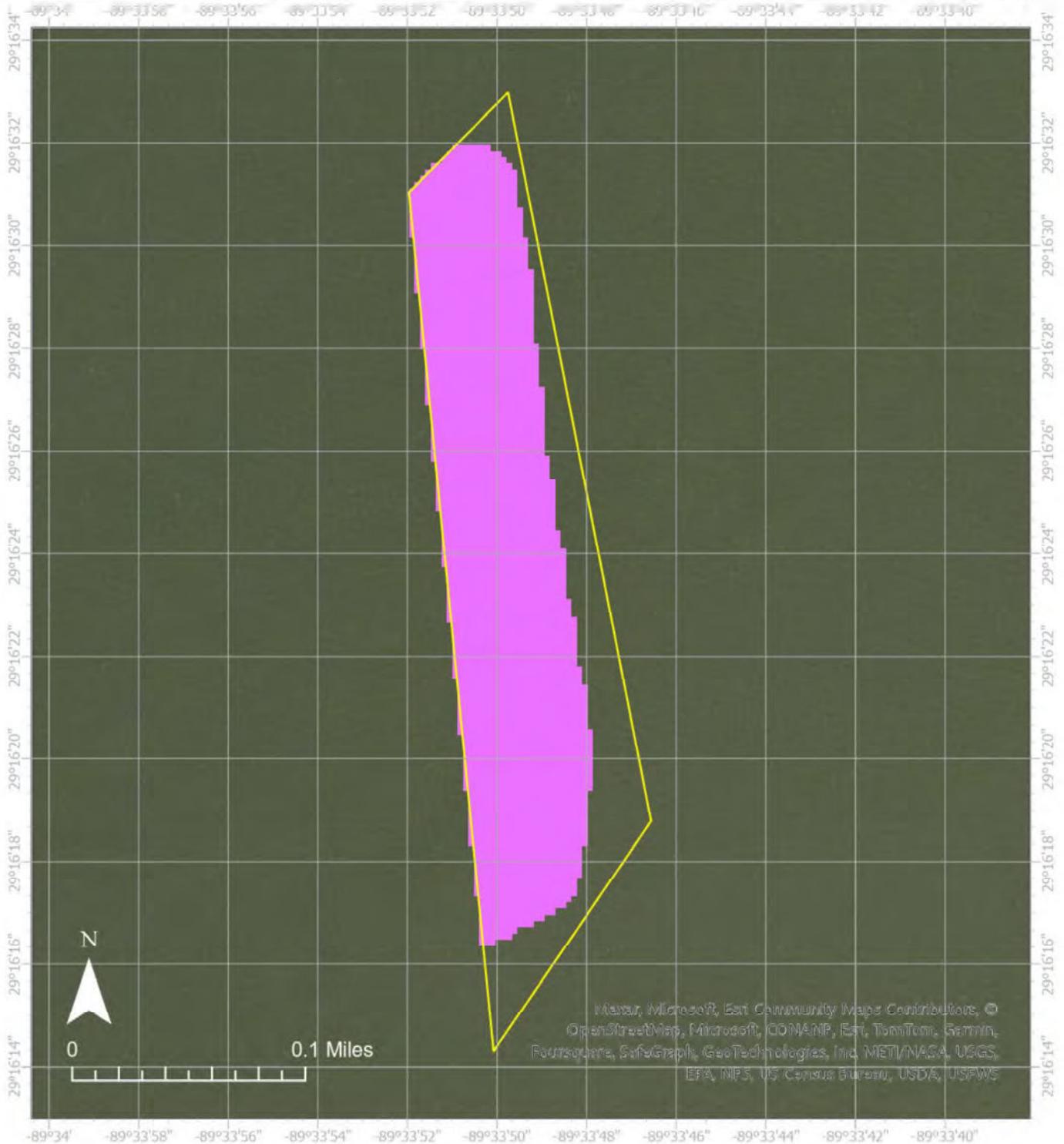
Lease Holder: FOX SEAFOODS, INC.
 Lease Number: 2710314
 Latitude: 29.40536, Longitude -89.67913
 Location: A BAY NORTHEAST OF GRAND BAYOU, SOUTHWEST OF BAY CHICOT AND EAST OF SHORTWAY BAYOU
 Area: 84 acres

7.62 MT CO₂/acre/year – 14.32

13.45 MT CO₂/acre/year – 45.72

19.36 MT CO₂/acre/year –





Lease Holder: MITCHELL B. JURISICH, JR. AND FRANK J. JURISICH
 Lease Number: 2711914
 Latitude: 29.27322, Longitude -89.56375
 Location: SCOFIELD BAY
 Area: 11 acres

7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year – 8.02

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: PEARL RIVER FISHERIES OF LOUISIANA, L.L.C.
 Lease Number: 2724314
 Latitude: 30.02977, Longitude -89.24330
 Location: WEST KARAKO BAY
 Area: 159 acres

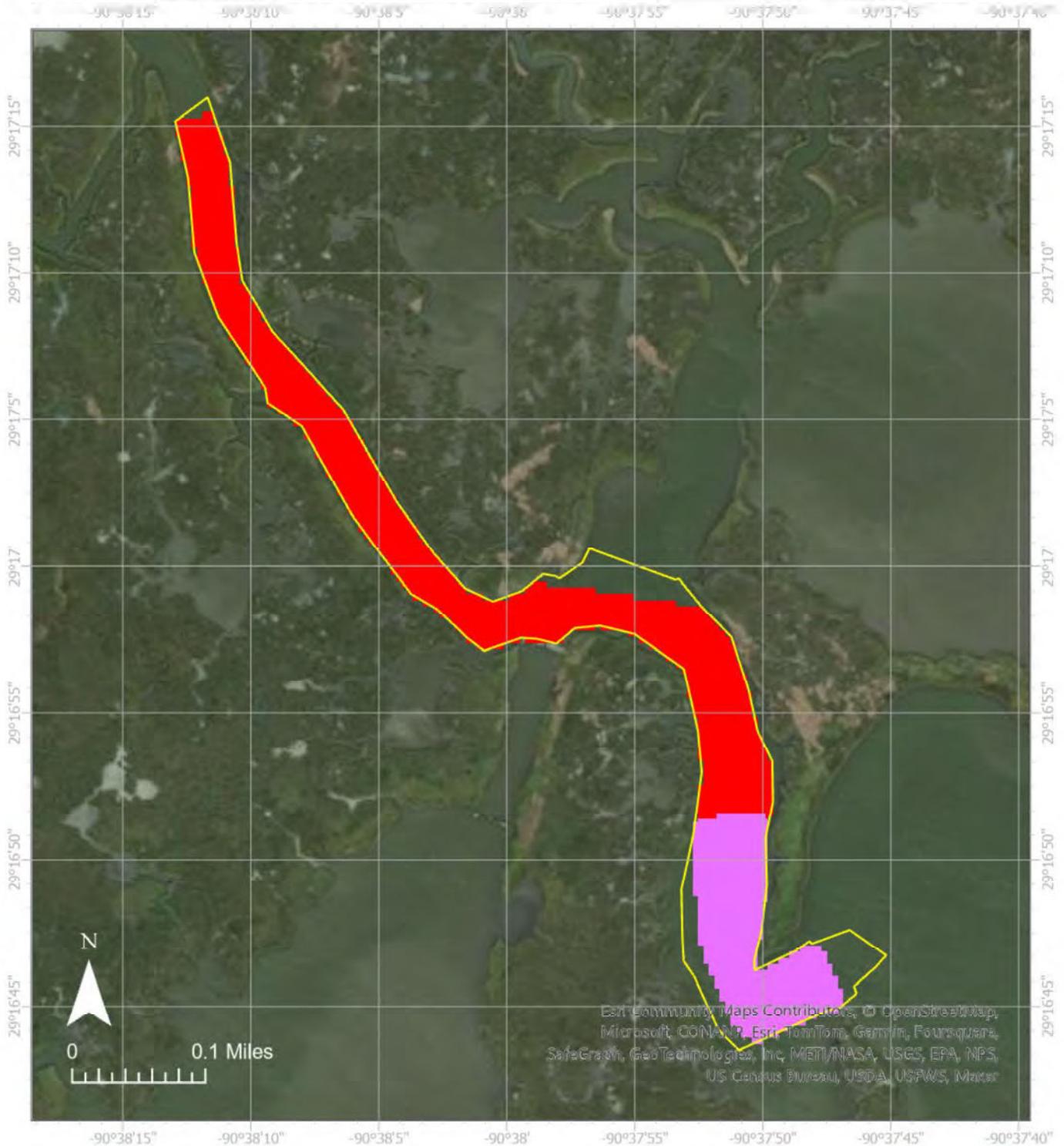
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13.45 MT CO₂/acre/year – 3.57

19.36 MT CO₂/acre/year – 53.97

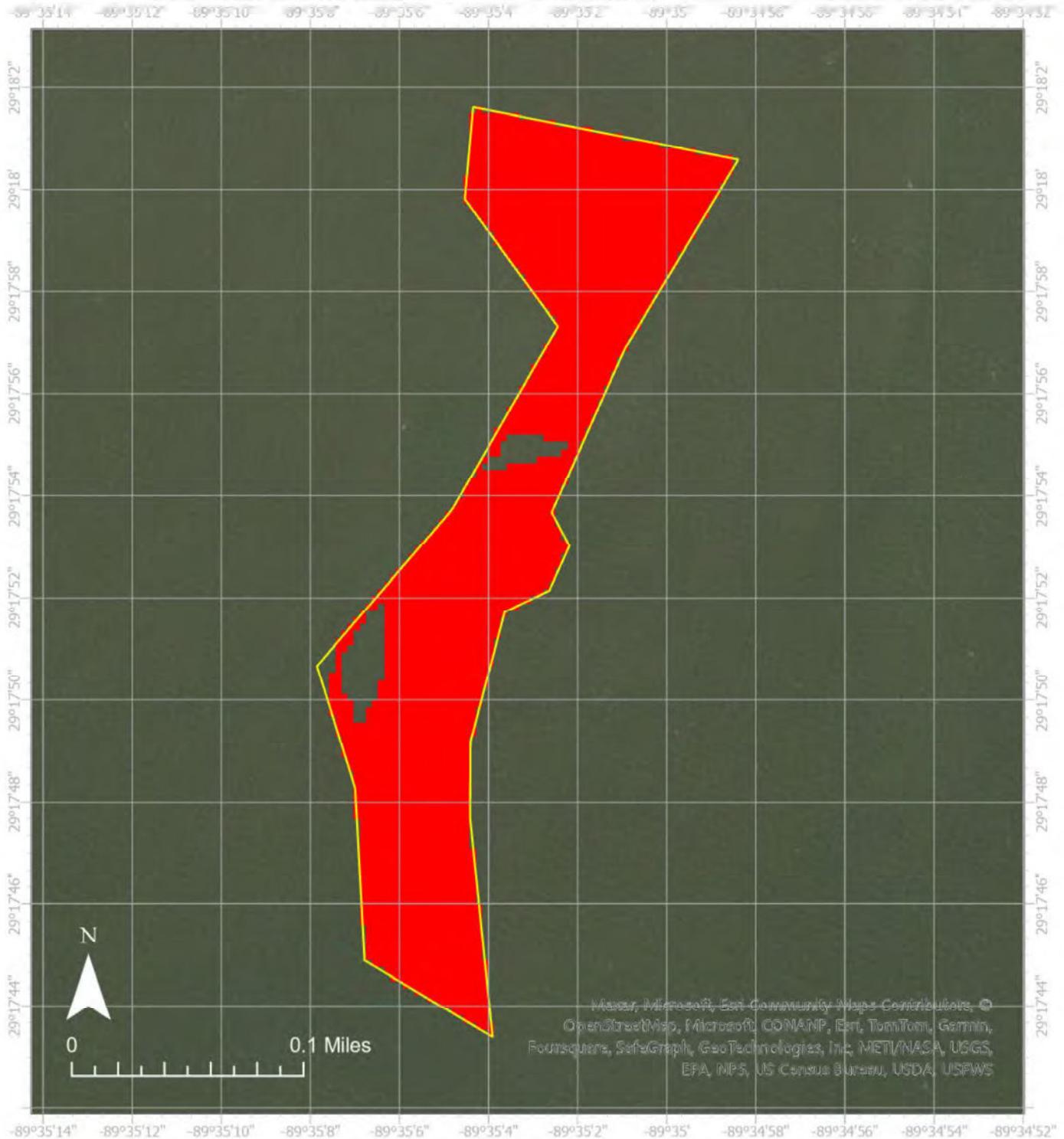
Lease Boundary





Lease Holder: OYSTER EAGLE 7, LLC
 Lease Number: 2739114
 Latitude: 29.28291, Longitude -90.63307
 Location: BAYOU DE L'OUEST
 Area: 21 acres

- 7.62 MT CO₂/acre/year – 12.95
- 13.45 MT CO₂/acre/year – 4.98
- 19.36 MT CO₂/acre/year –
- Lease Boundary



Lease Holder: PETER G. VUJNOVICH, JR.
 Lease Number: 2756615
 Latitude: 29.29816, Longitude -89.58439
 Location: A BAY WEST OF ENGLISH BAY
 Area: 11 acres

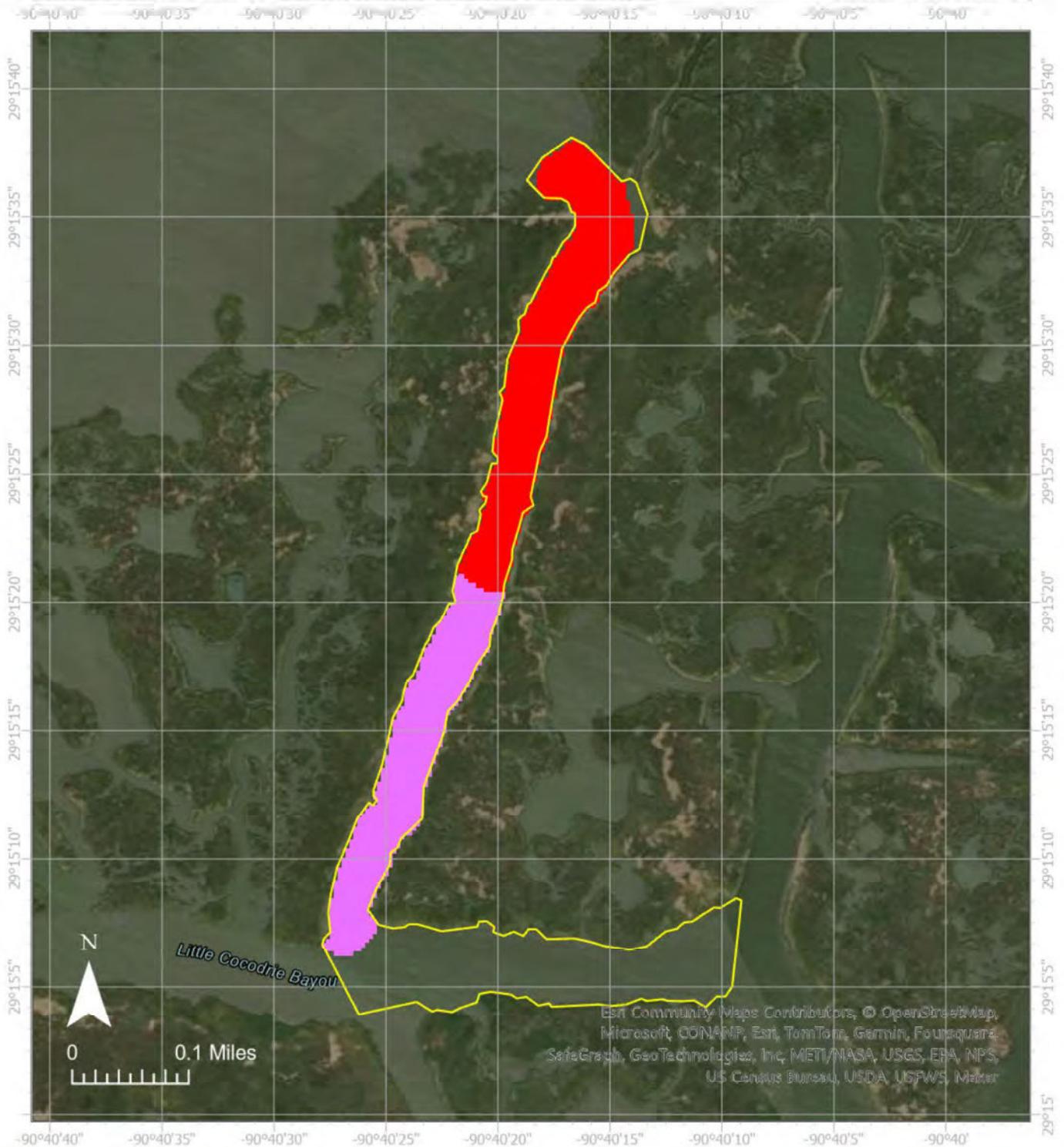
7.62 MT CO₂/acre/year – 10.30

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: JPG PREMIUM OYSTERS, LLC
 Lease Number: 2760015
 Latitude: 29.25163, Longitude -90.67180
 Location: BAYOU HENRY AND LITTLE BAYOU COCODRIE
 Area: 27 acres

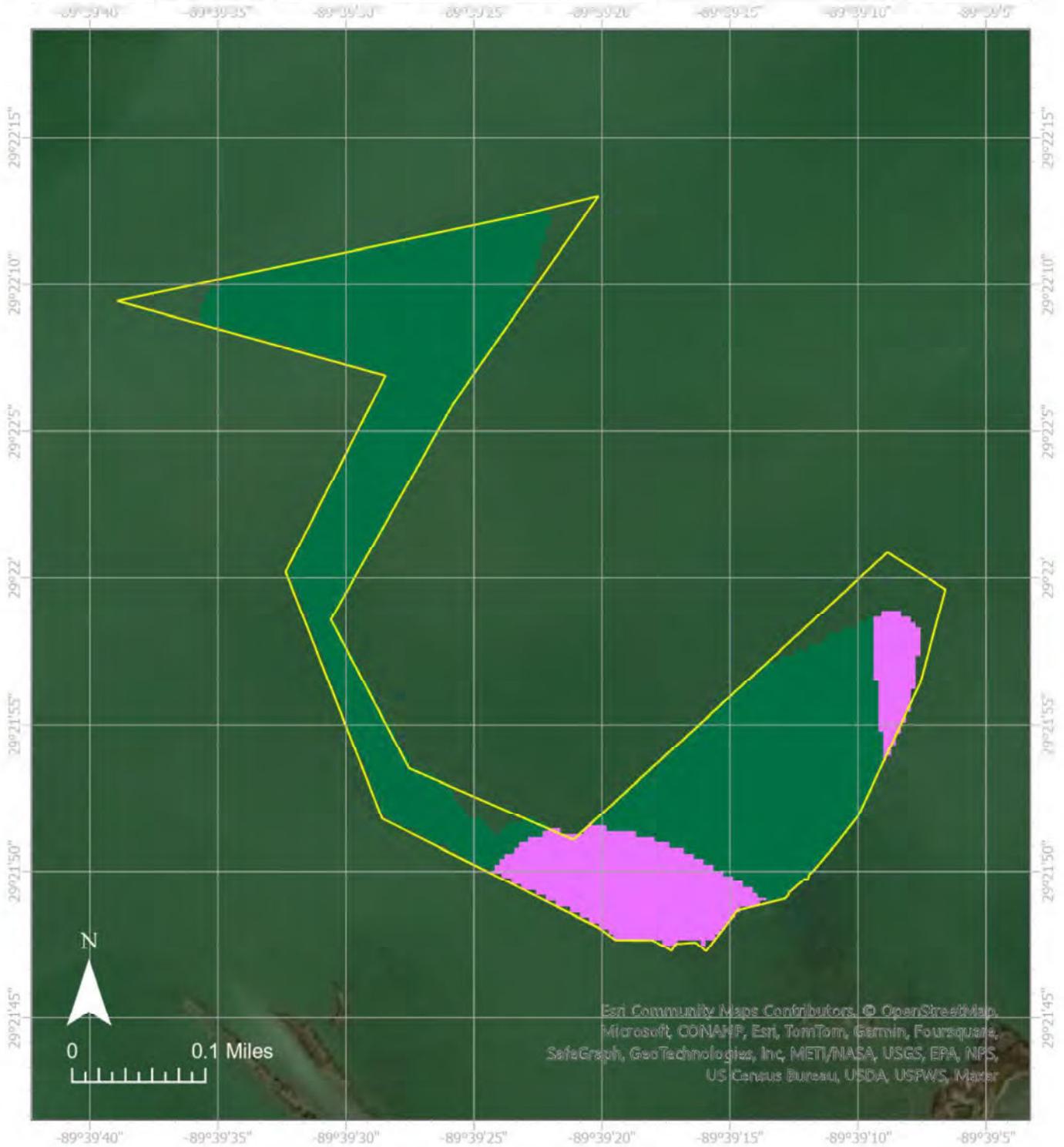
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13.45 MT CO₂/acre/year – 6.80

19.36 MT CO₂/acre/year –

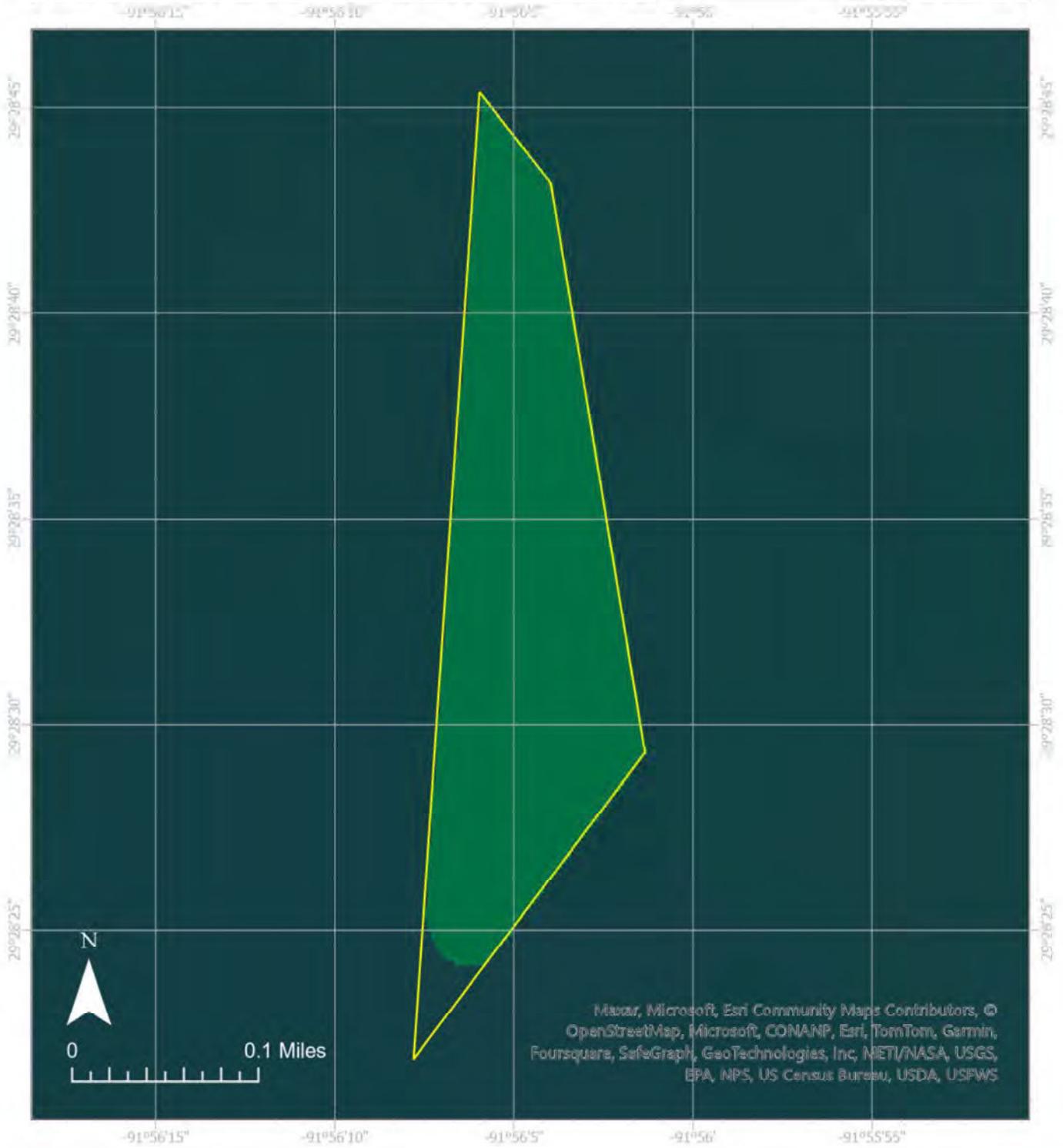
Lease Boundary





Lease Holder: OYSTER EAGLE, L.L.C.
 Lease Number: 2772815
 Latitude: 29.36457, Longitude -89.65407
 Location: BAY ATLAS
 Area: 40 acres

- 7.62 MT CO₂/acre/year -
- 13.45 MT CO₂/acre/year - 6.84
- 19.36 MT CO₂/acre/year - 29.50
- Lease Boundary



Lease Holder: GULF OYSTERS I, INC.
 Lease Number: 2775915
 Latitude: 29.47588, Longitude -91.93468
 Location: GULF OF MEXICO
 Area: 17 acres

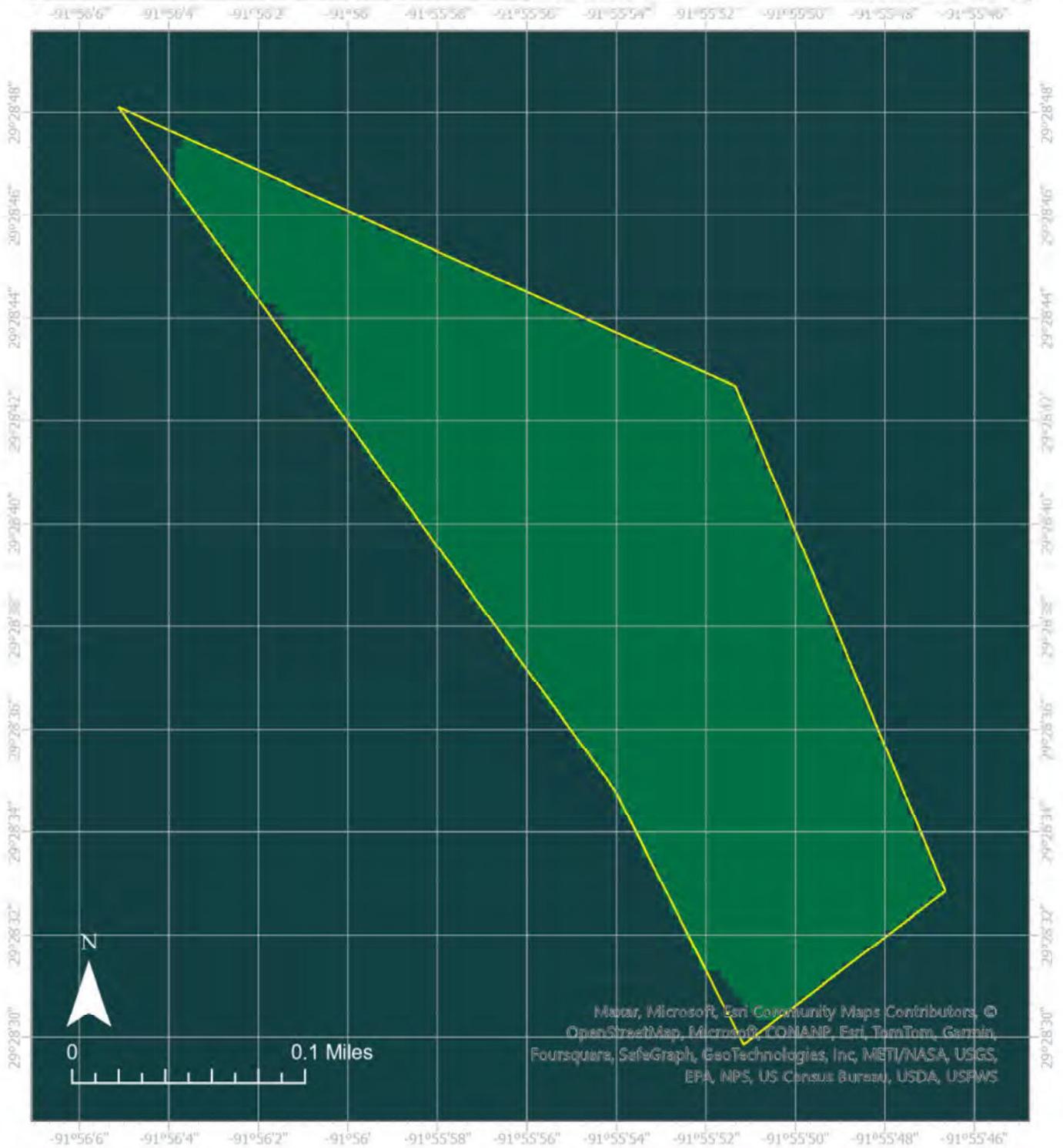
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year -

19.36 MT CO₂/acre/year - 15.83

Lease Boundary





Lease Holder: GULF OYSTERS I, INC.
 Lease Number: 2776115
 Latitude: 29.47751, Longitude -91.93171
 Location: GULF OF MEXICO
 Area: 23 acres

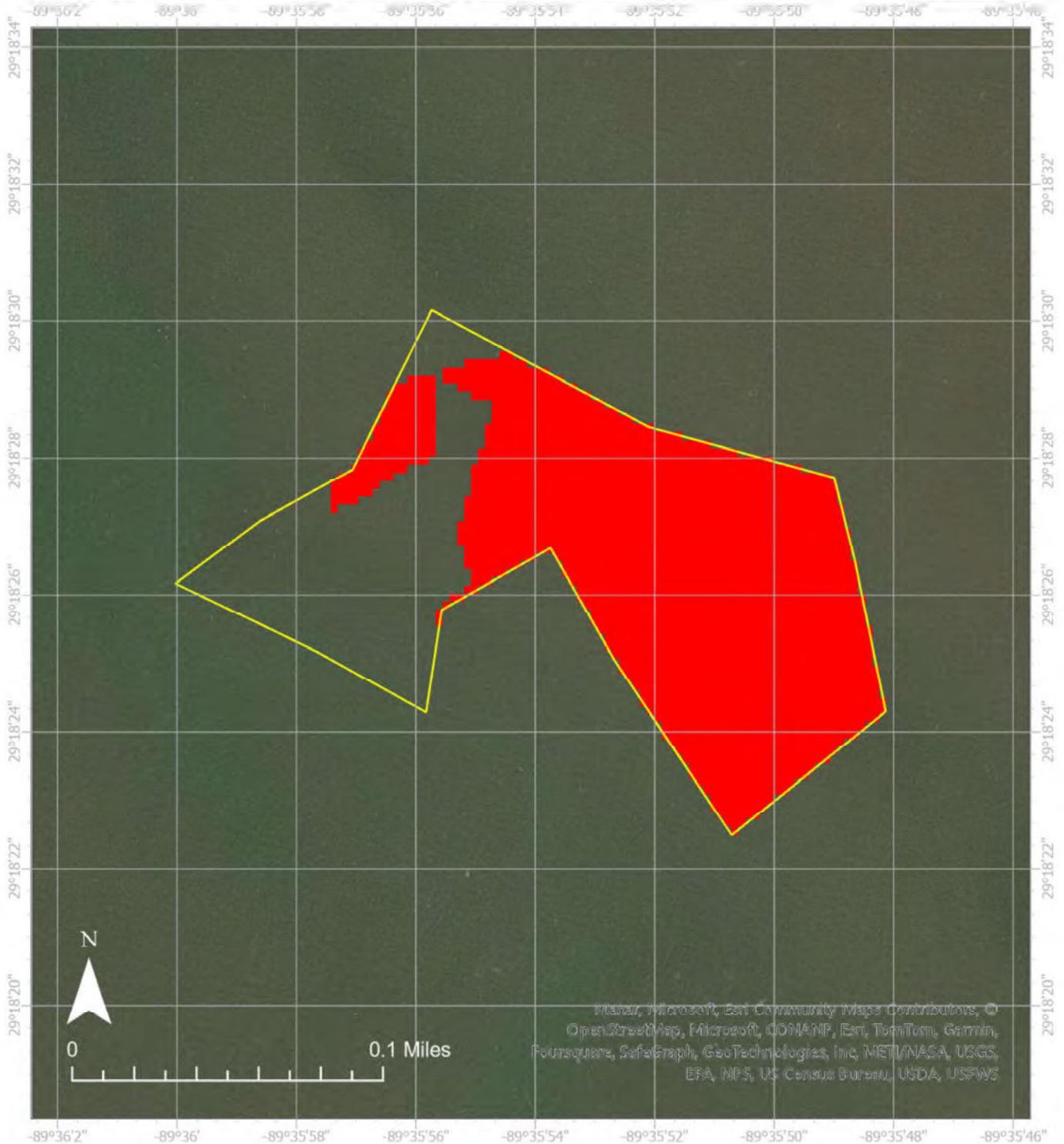
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year -

19.36 MT CO₂/acre/year - 21.80

Lease Boundary





Lease Holder: GRASSHOPPER OYSTERS, INC.
 Lease Number: 2782315
 Latitude: 29.30735, Longitude -89.59812
 Location: A POND EAST OF BAYOU FONTENELLE
 Area: 9 acres

7.62 MT CO₂/acre/year – 5.80

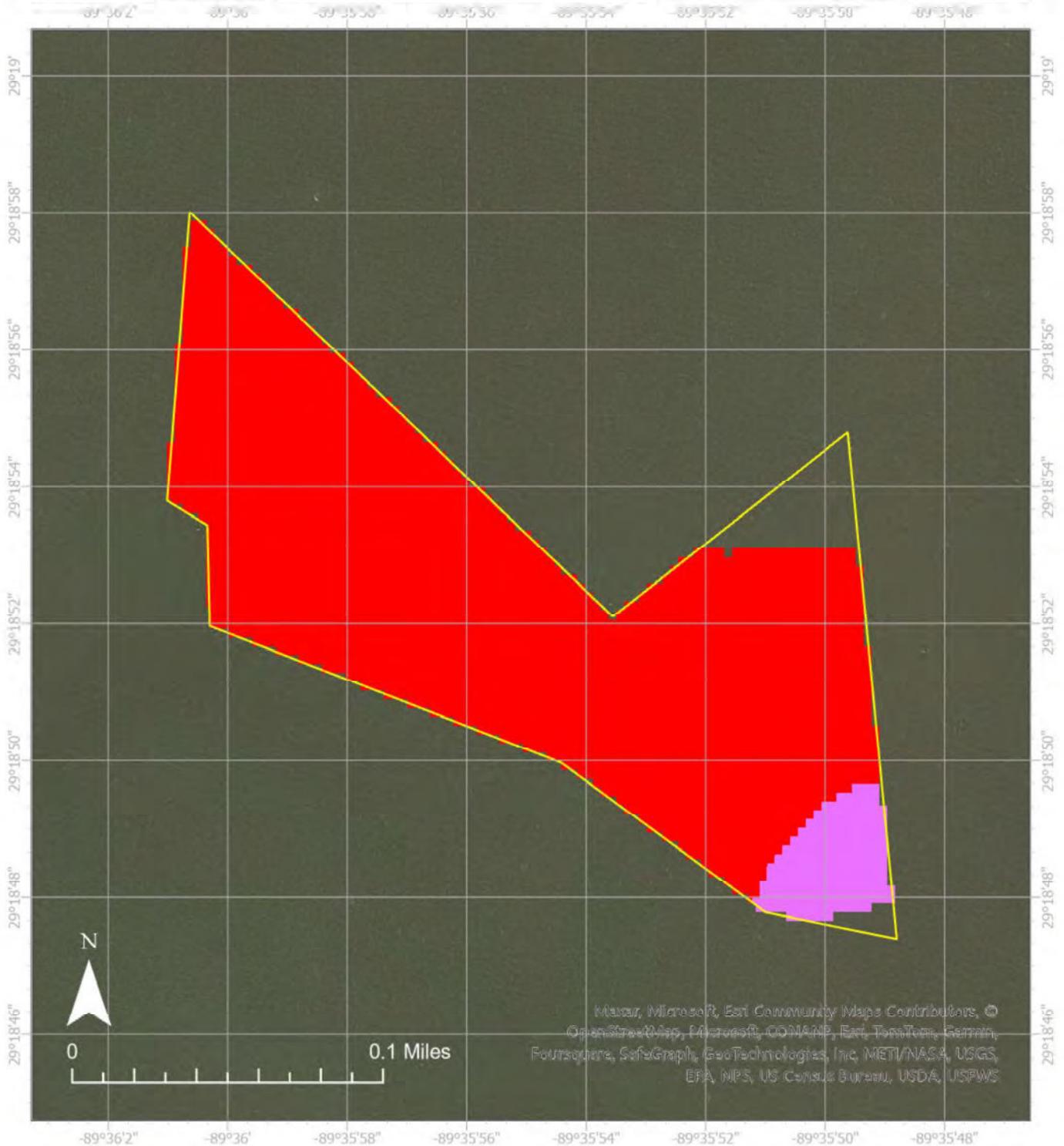
13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary



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 EPA, NPS, US Census Bureau, USDA, USFWS



Lease Holder: GULF STAR OYSTERS, INC.
 Lease Number: 2786315
 Latitude: 29.31450, Longitude -89.59854
 Location: A BAY EAST OF EMPIRE WATERWAY AND WEST OF BAYOU TORTILLION
 Area: 11 acres

7.62 MT CO₂/acre/year – 9.79

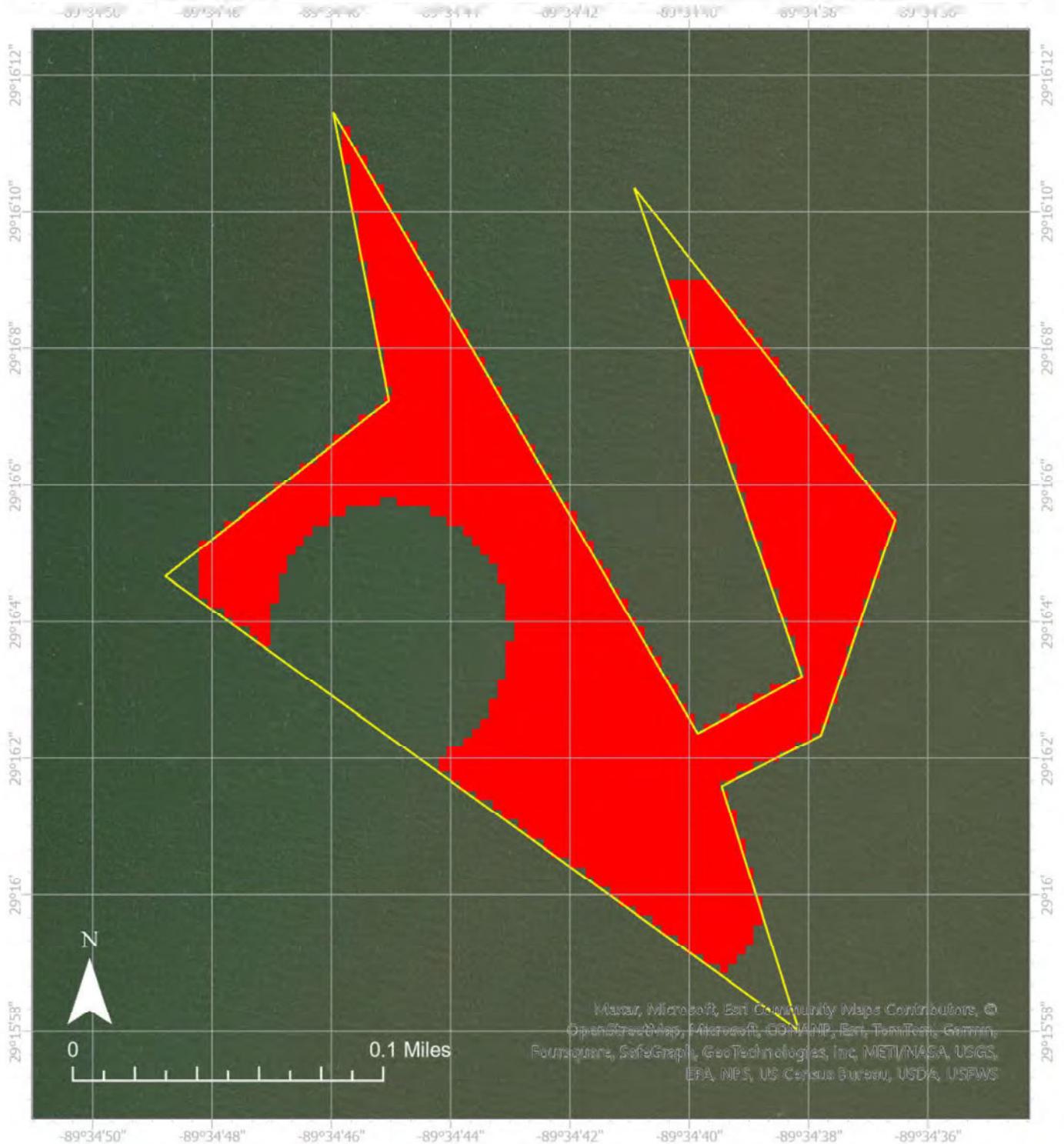
13.45 MT CO₂/acre/year – 0.58

19.36 MT CO₂/acre/year –

Lease Boundary



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 FourSquare, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS,
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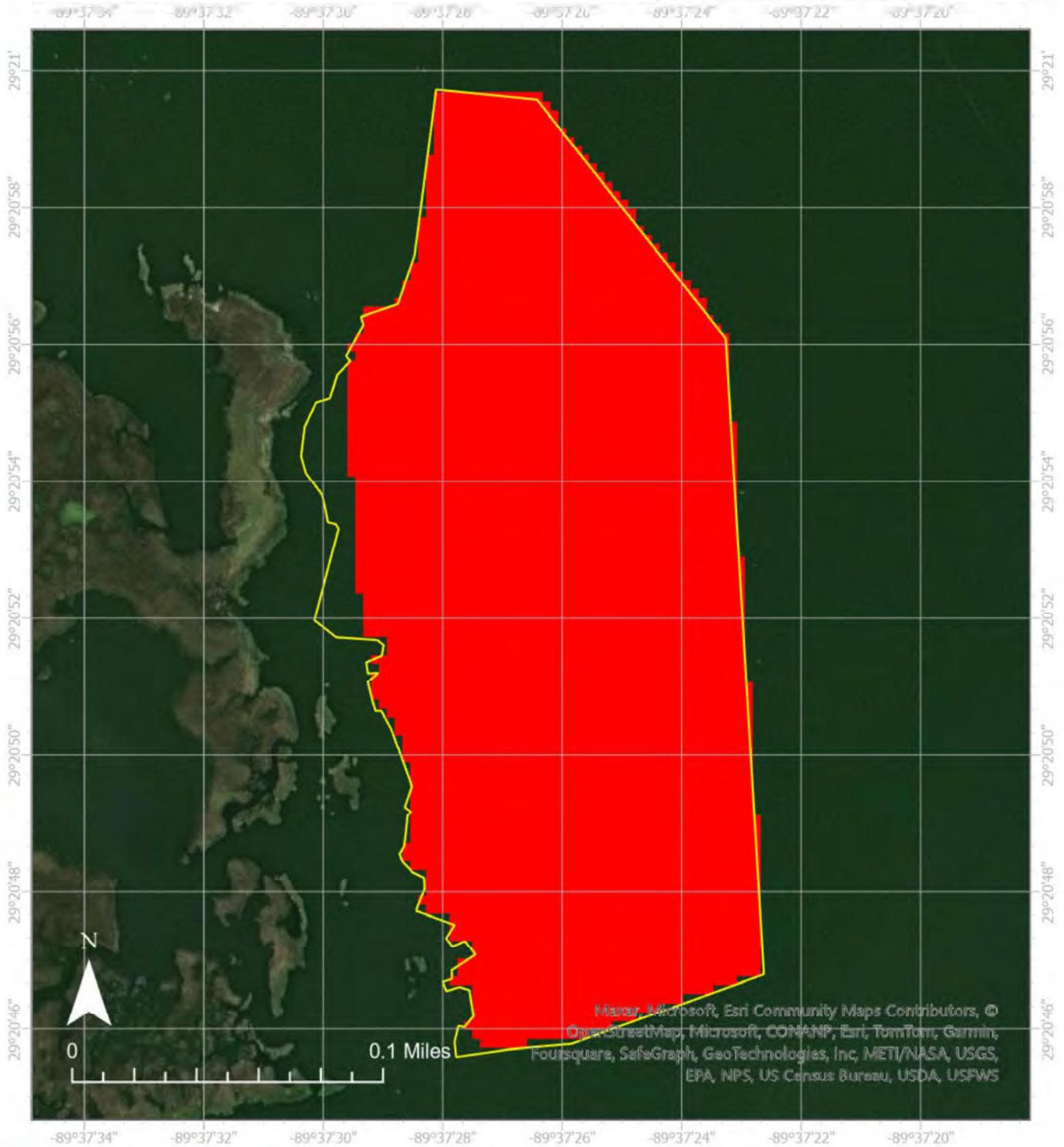


Lease Holder: GULF STAR OYSTERS, INC.
 Lease Number: 2789115
 Latitude: 29.26785, Longitude -89.57843
 Location: A BAY WEST OF SCOFIELD BAY
 Area: 12 acres

7.62 MT CO₂/acre/year - 8.32
 13.45 MT CO₂/acre/year -
 19.36 MT CO₂/acre/year -

Lease Boundary





Lease Holder: OYSTER EAGLE, L.L.C.
 Lease Number: 2794715
 Latitude: 29.34789, Longitude -89.62395
 Location: ADAMS BAY
 Area: 16 acres

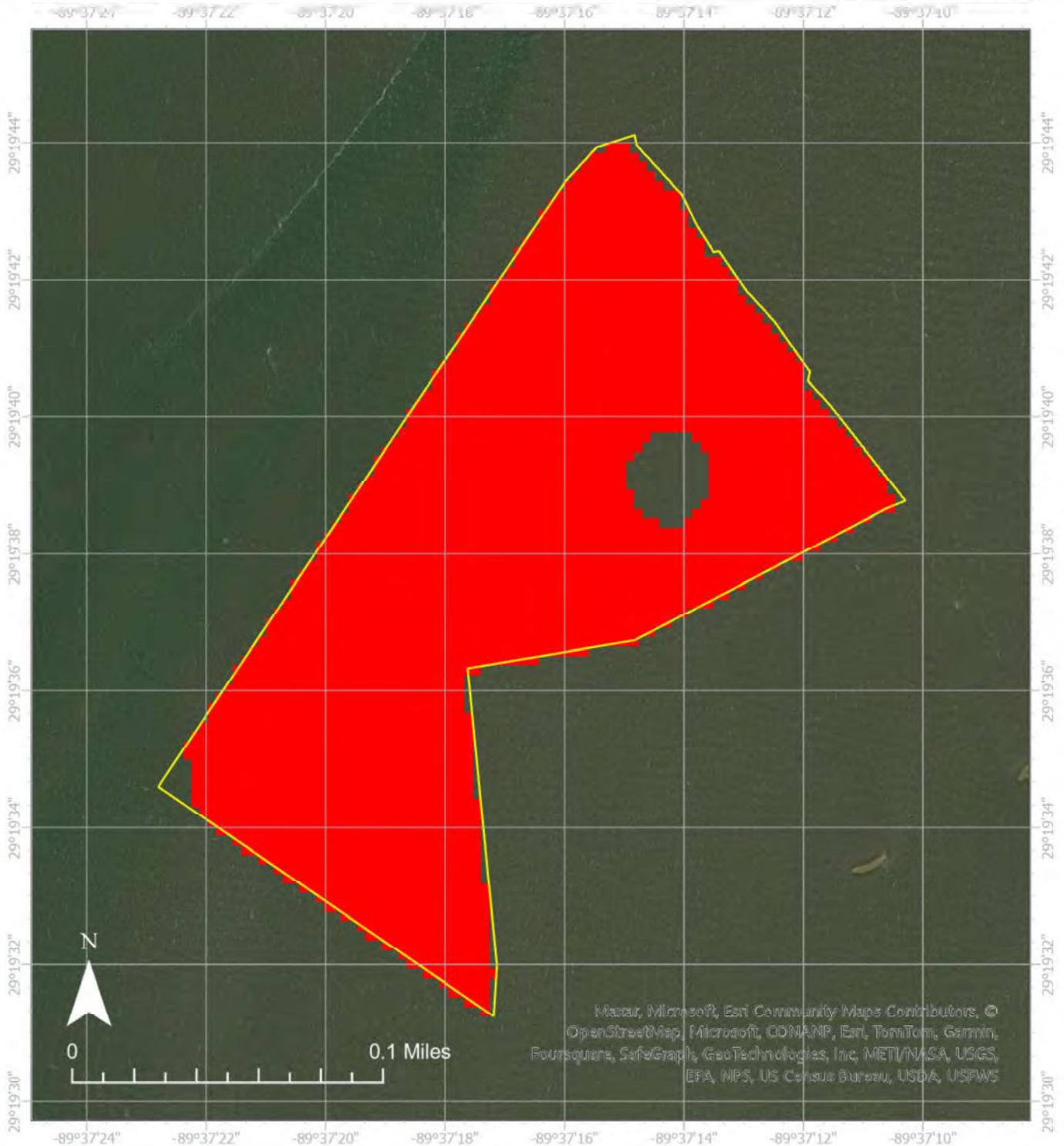
7.62 MT CO₂/acre/year – 14.89

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: OYSTER EAGLE, L.L.C.
 Lease Number: 2797015
 Latitude: 29.32723, Longitude -89.62132
 Location: A BAY NORTHEAST OF BAY FERRAND
 Area: 13 acres

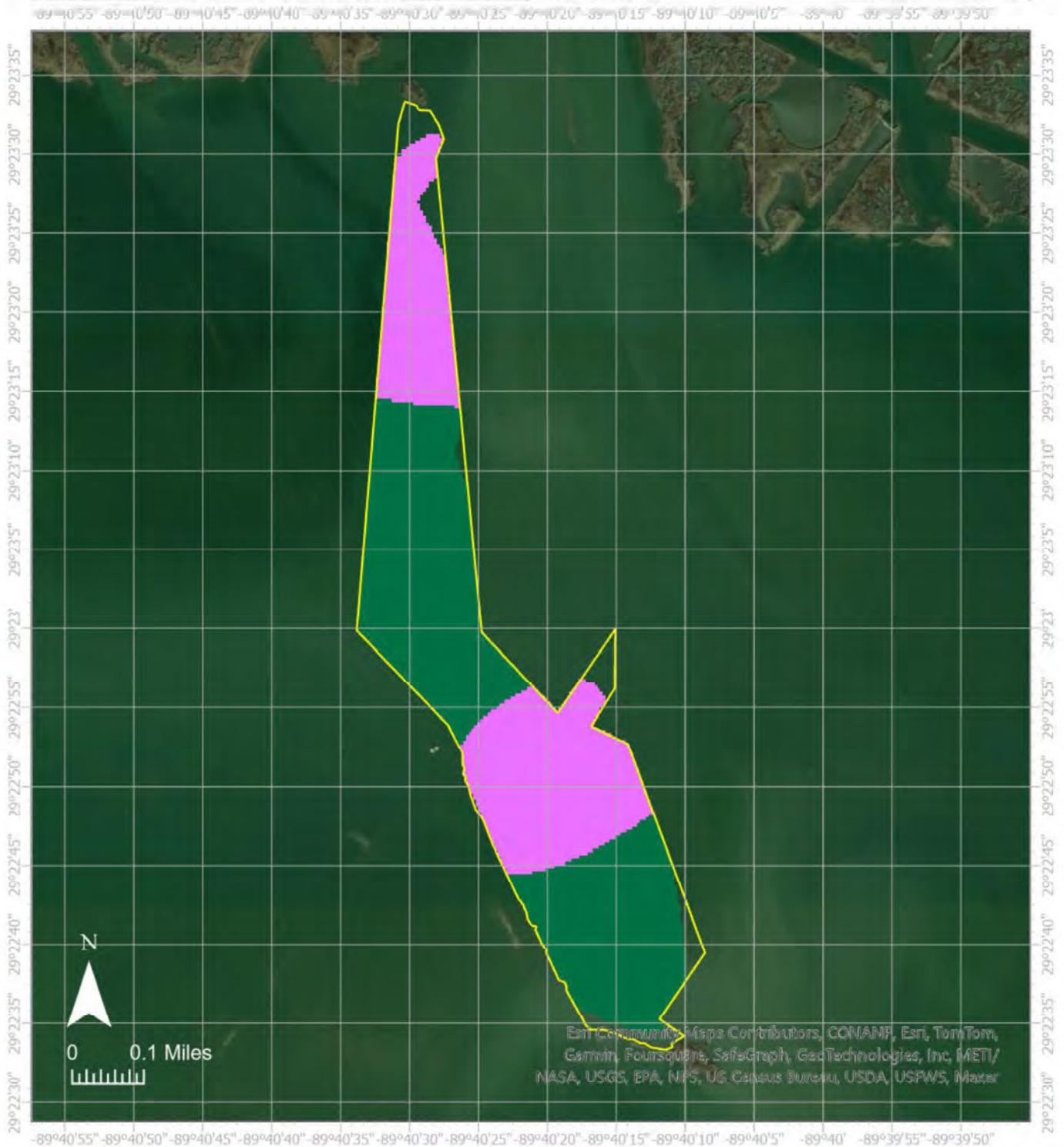
7.62 MT CO₂/acre/year – 12.03
 13.45 MT CO₂/acre/year –
 19.36 MT CO₂/acre/year –





Lease Holder: MITCHELL B. JURISICH, JR.
 Lease Number: 2797215
 Latitude: 29.35840, Longitude -89.60091
 Location: A BAY AND BAYOU EAST OF ADAMS BAY AND WEST OF EMPIRE WATERWAY
 Area: 39 acres

- 7.62 MT CO₂/acre/year – 
- 13.45 MT CO₂/acre/year – 
- 19.36 MT CO₂/acre/year – 22.69 
- Lease Boundary 



Lease Holder: J AND R OYSTERS, L.L.C.
 Lease Number: 2803116
 Latitude: 29.38270, Longitude -89.67306
 Location: BAY REGAUD
 Area: 98 acres

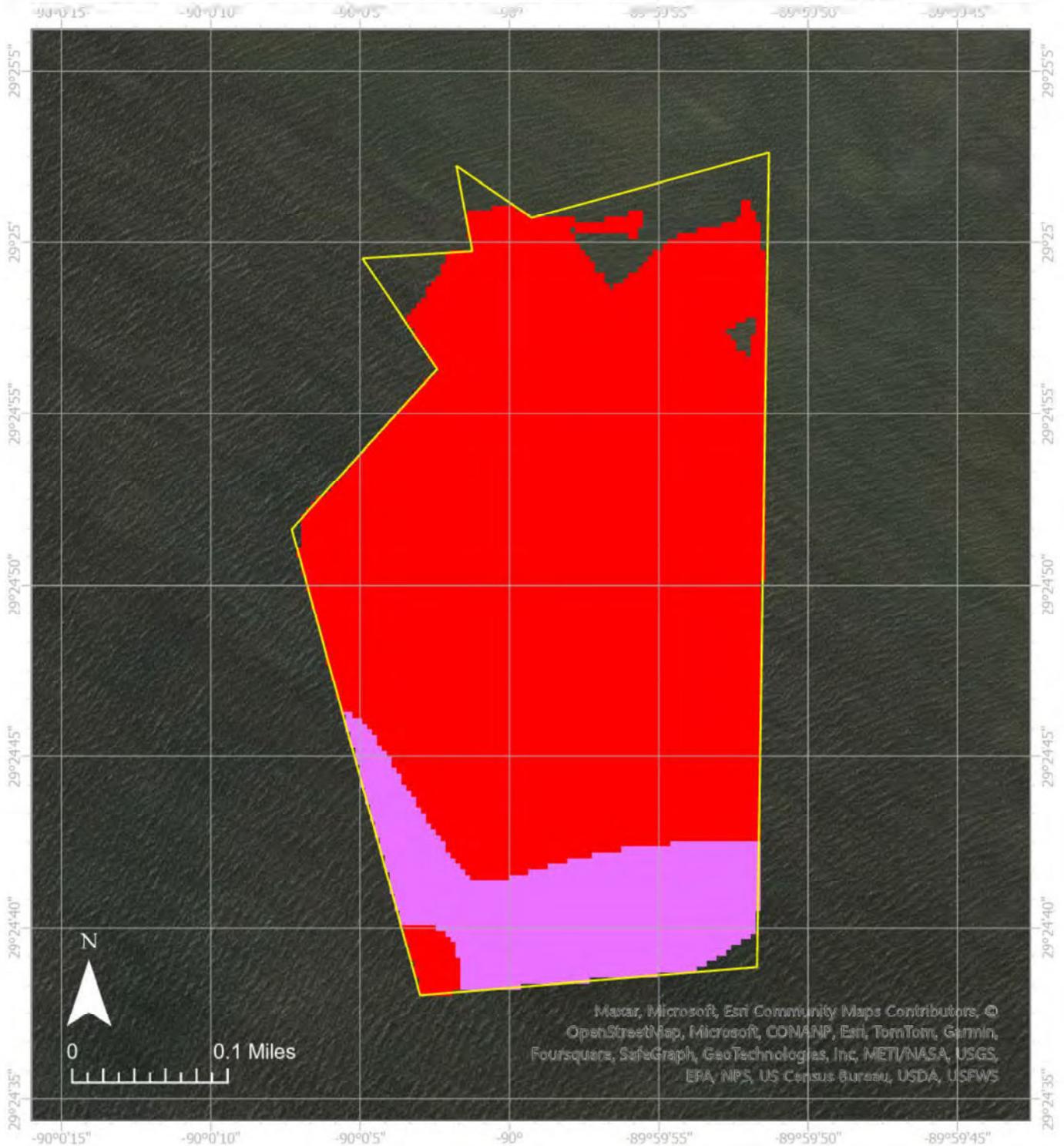
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year - 37.92

19.36 MT CO₂/acre/year - 53.05

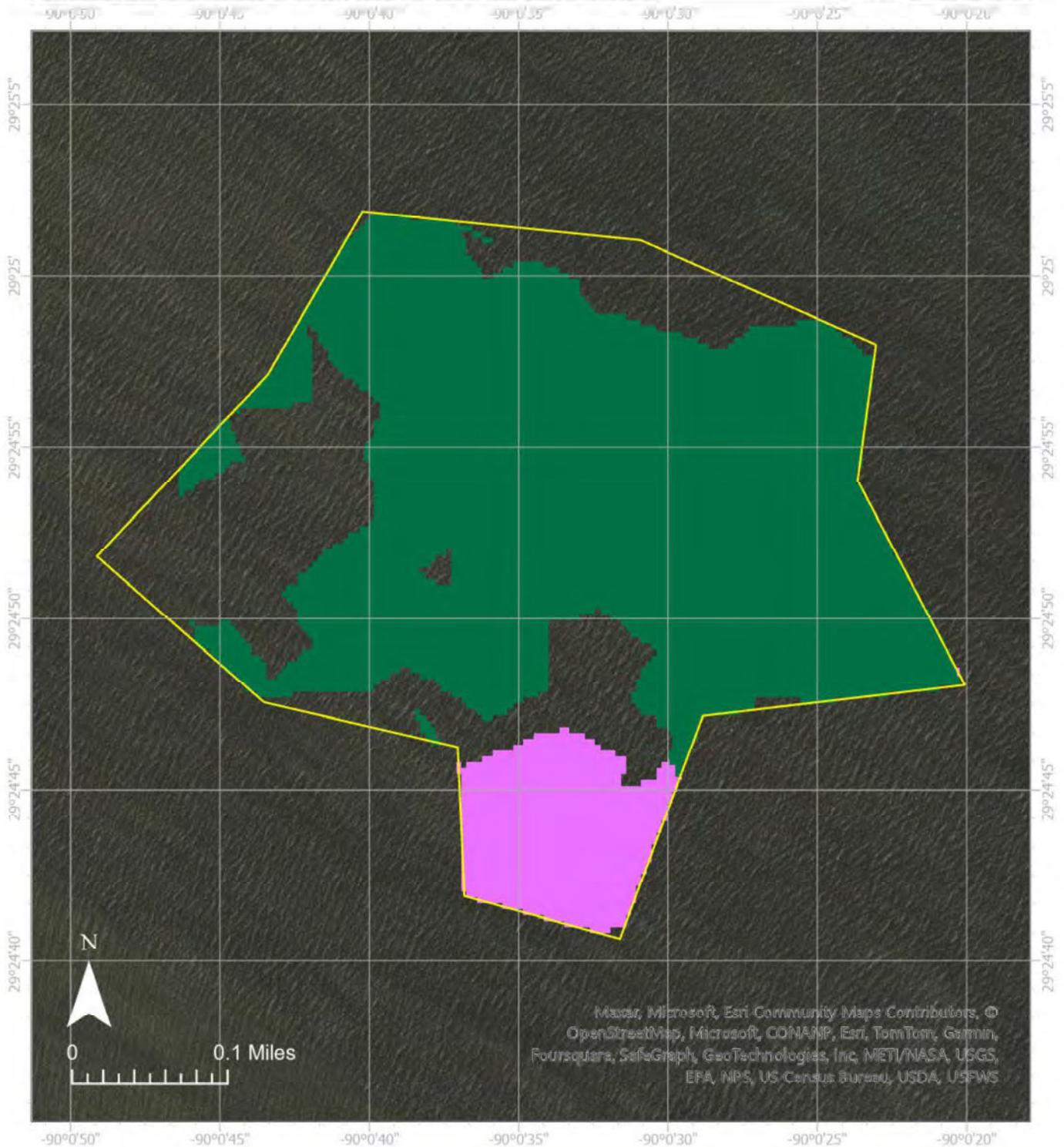
Lease Boundary





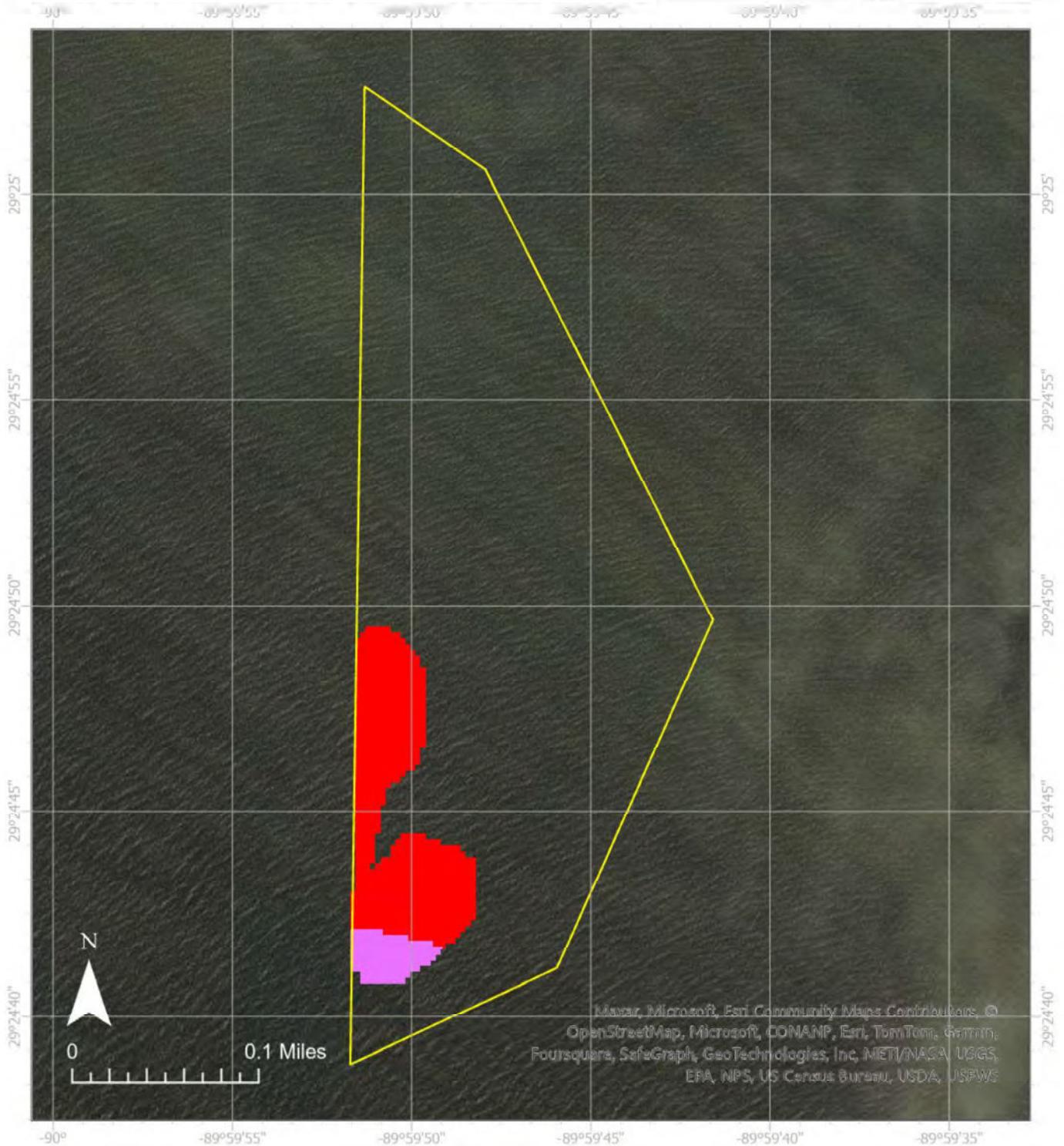
Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 2811322
 Latitude: 29.41385, Longitude -89.99948
 Location: BAY CHOLAS
 Area: 63 acres

- 7.62 MT CO₂/acre/year – 49.32
- 13.45 MT CO₂/acre/year – 8.94
- 19.36 MT CO₂/acre/year –
- Lease Boundary



Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 2811422
 Latitude: 29.41458, Longitude -90.00951
 Location: BAY CHOLAS
 Area: 71 acres

7.62 MT CO ₂ /acre/year -	
13.45 MT CO ₂ /acre/year - 6.47	
19.36 MT CO ₂ /acre/year - 46.34	
Lease Boundary	



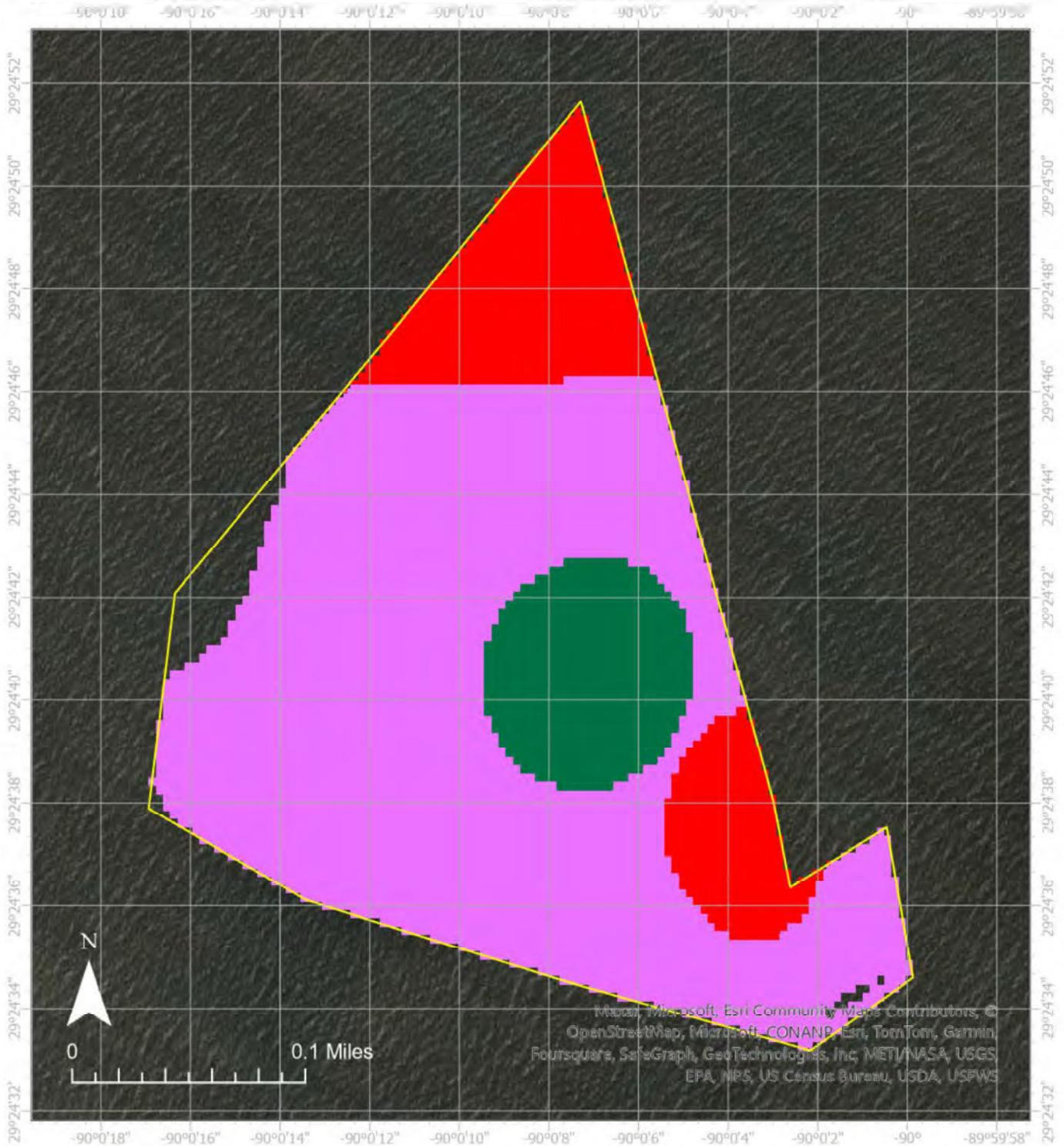
Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 2811522
 Latitude: 29.41390, Longitude -89.99663
 Location: BAY CHOLAS
 Area: 31 acres

7.62 MT CO₂/acre/year – 3.16

13.45 MT CO₂/acre/year – 0.47

19.36 MT CO₂/acre/year –





Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 2811622
 Latitude: 29.41132, Longitude -90.00245
 Location: BAY CHOLAS
 Area: 33 acres

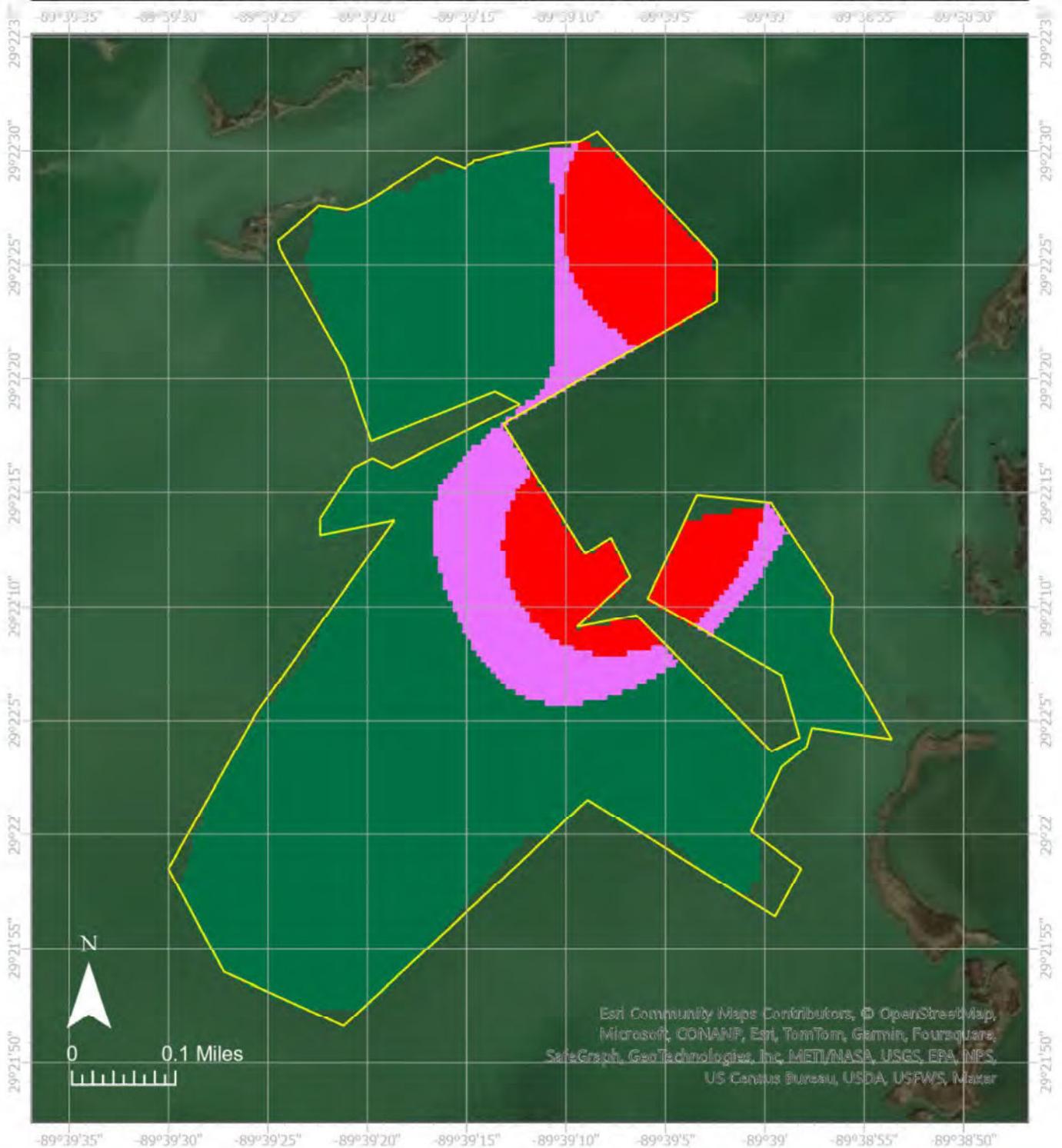
7.62 MT CO₂/acre/year – 6.06

13.45 MT CO₂/acre/year – 22.21

19.36 MT CO₂/acre/year – 3.16

Lease Boundary

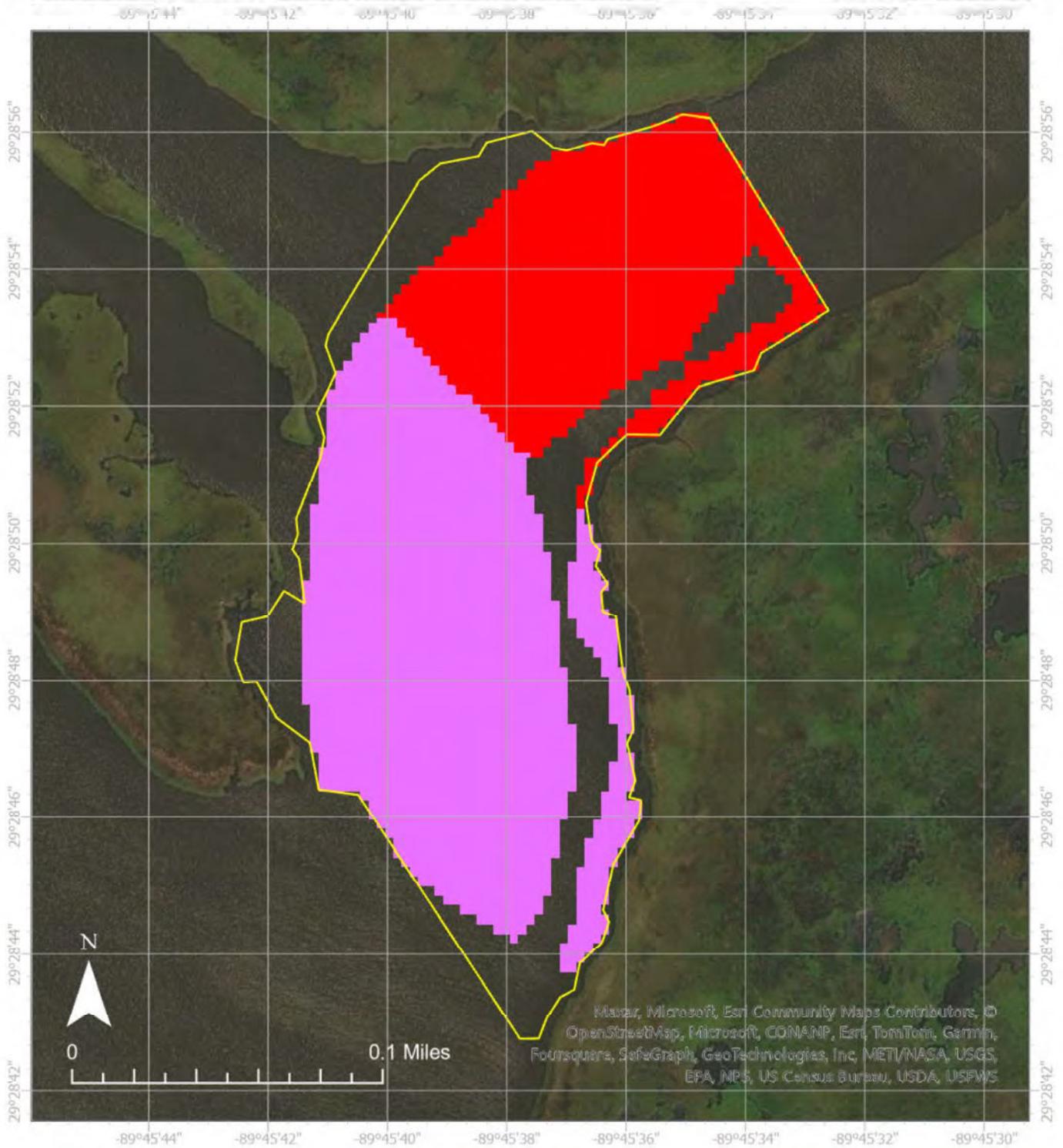




Lease Holder: OYSTER EAGLE, L.L.C.
 Lease Number: 2815516
 Latitude: 29.36954, Longitude -89.65375
 Location: SOUTH OF MEYERS CANAL
 Area: 126 acres

7.62 MT CO ₂ /acre/year – 19.69	
13.45 MT CO ₂ /acre/year – 15.45	
19.36 MT CO ₂ /acre/year – 96.73	
Lease Boundary	

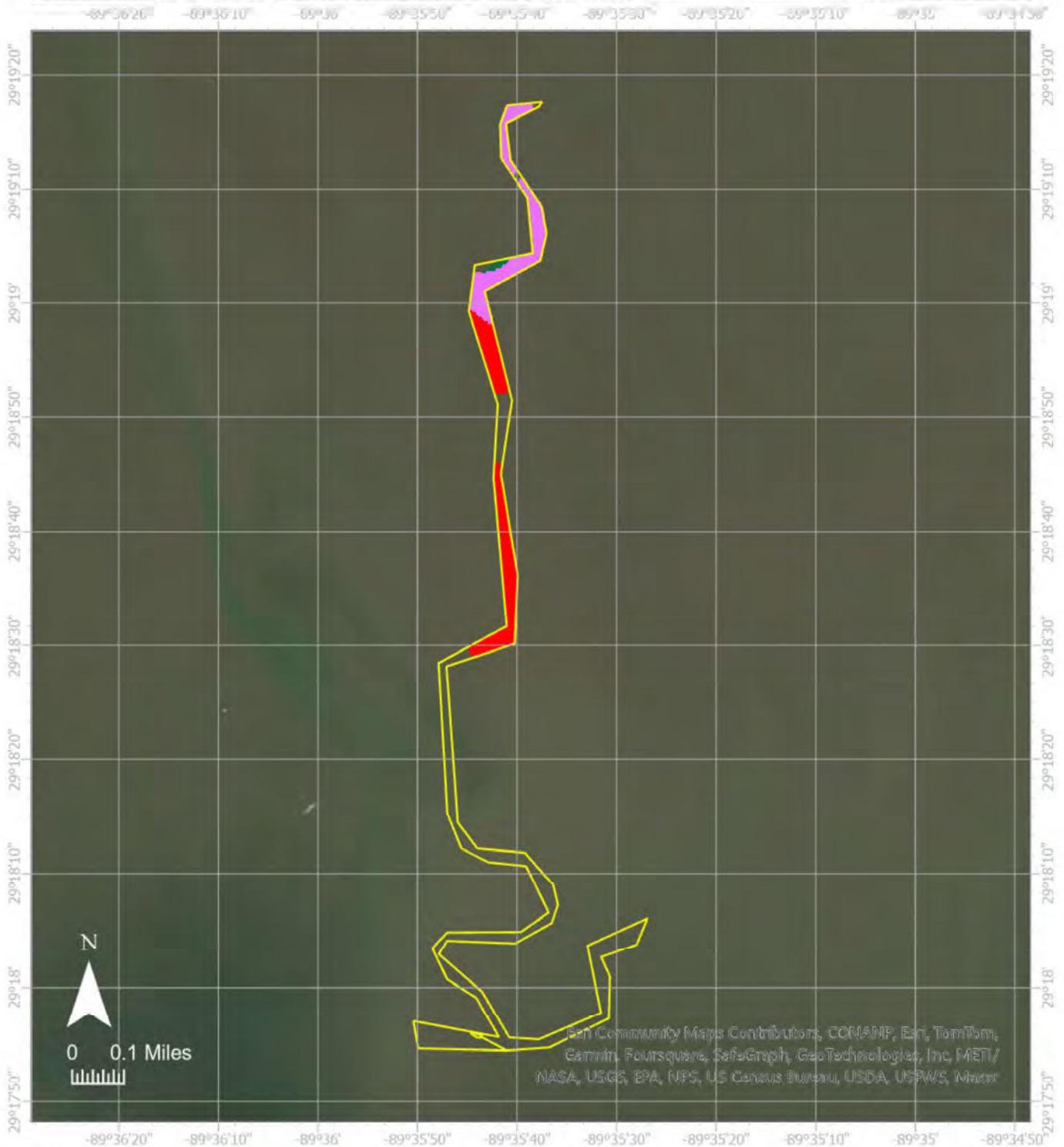
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Lease Holder: CAPT. PETE'S OYSTER FARM, LLC
 Lease Number: 2815916
 Latitude: 29.48066, Longitude -89.76055
 Location: SOCOLA CANAL #2
 Area: 14 acres

- 7.62 MT CO₂/acre/year – 4.20
- 13.45 MT CO₂/acre/year – 6.54
- 19.36 MT CO₂/acre/year –
- Lease Boundary

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Lease Holder: G. I. JOE, INC.
 Lease Number: 2829116
 Latitude: 29.29867, Longitude -89.59570
 Location: BAYOU TORTILLON
 Area: 34 acres

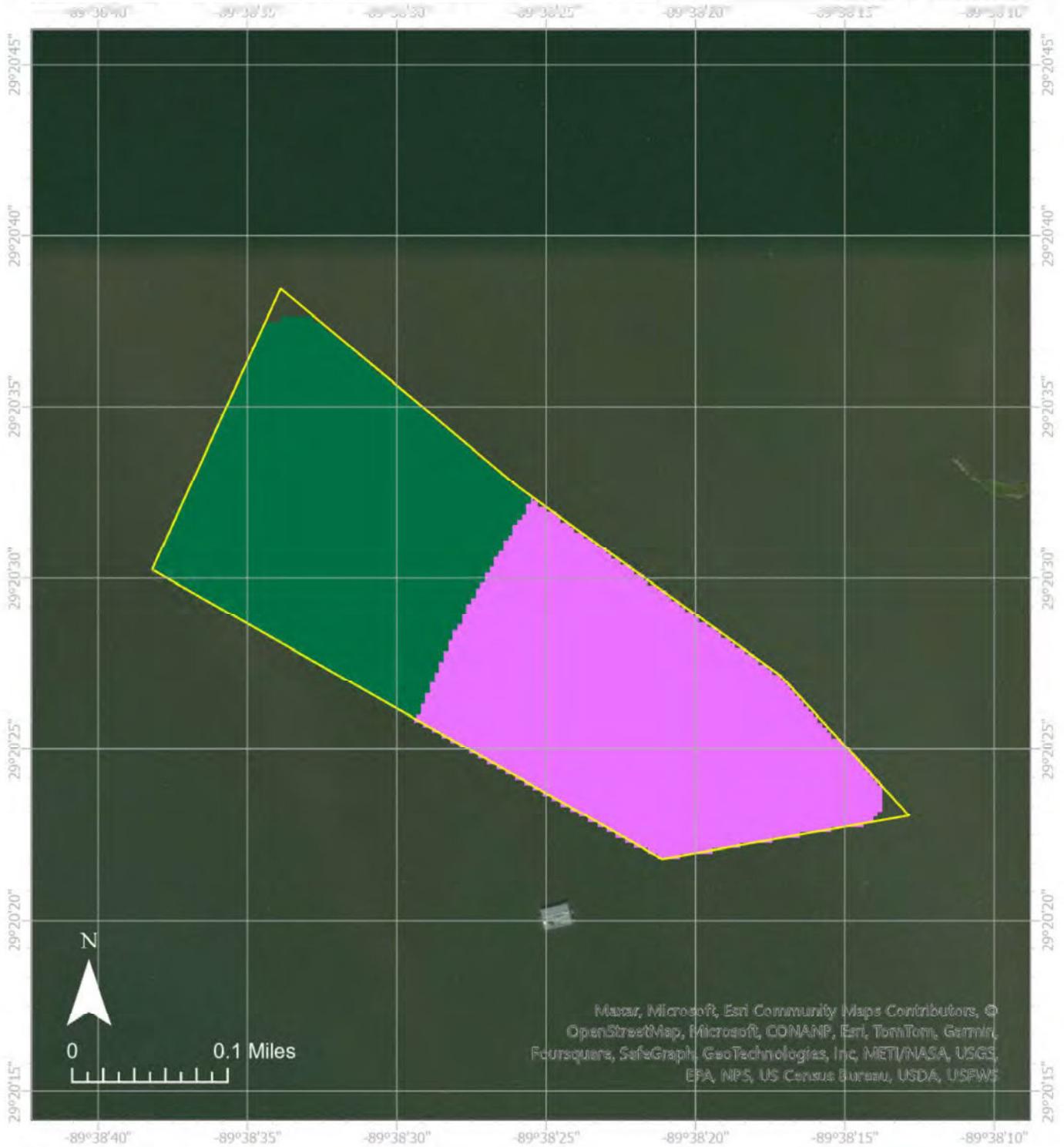
7.62 MT CO₂/acre/year – 7.24

13.45 MT CO₂/acre/year – 5.75

19.36 MT CO₂/acre/year – 0.18

Lease Boundary

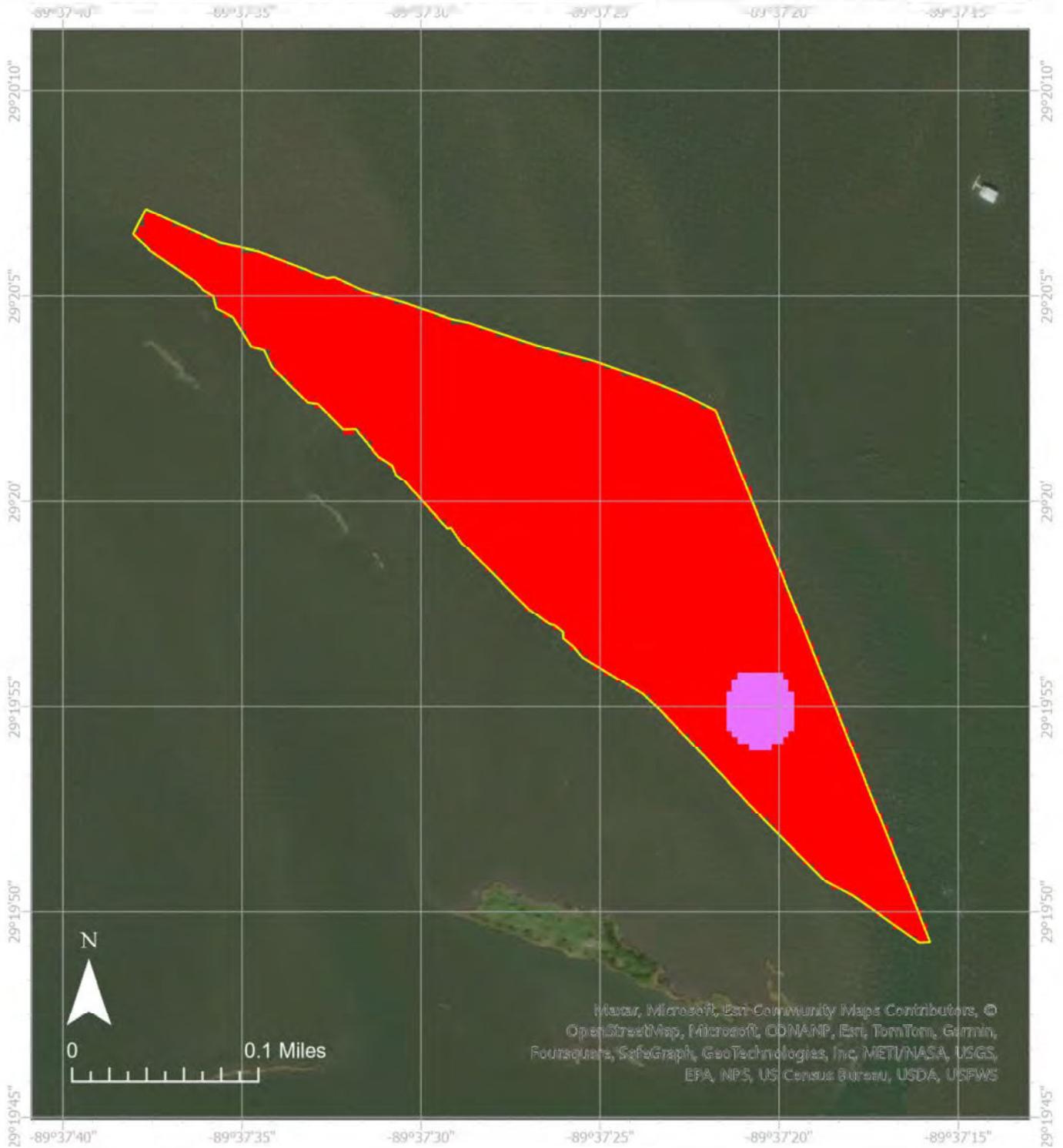




Lease Holder: OYSTER EAGLE 2, LLC
 Lease Number: 2831216
 Latitude: 29.34139, Longitude -89.64078
 Location: WEST OF BAYOU COOK
 Area: 36 acres

7.62 MT CO ₂ /acre/year	–	
13.45 MT CO ₂ /acre/year	– 18.03	
19.36 MT CO ₂ /acre/year	– 16.81	
		Lease Boundary

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Lease Holder: OYSTER EAGLE, L.L.C.
 Lease Number: 2850316
 Latitude: 29.33315, Longitude -89.62372
 Location: A BAY WEST OF BAYOU FERRAND.
 Area: 22 acres

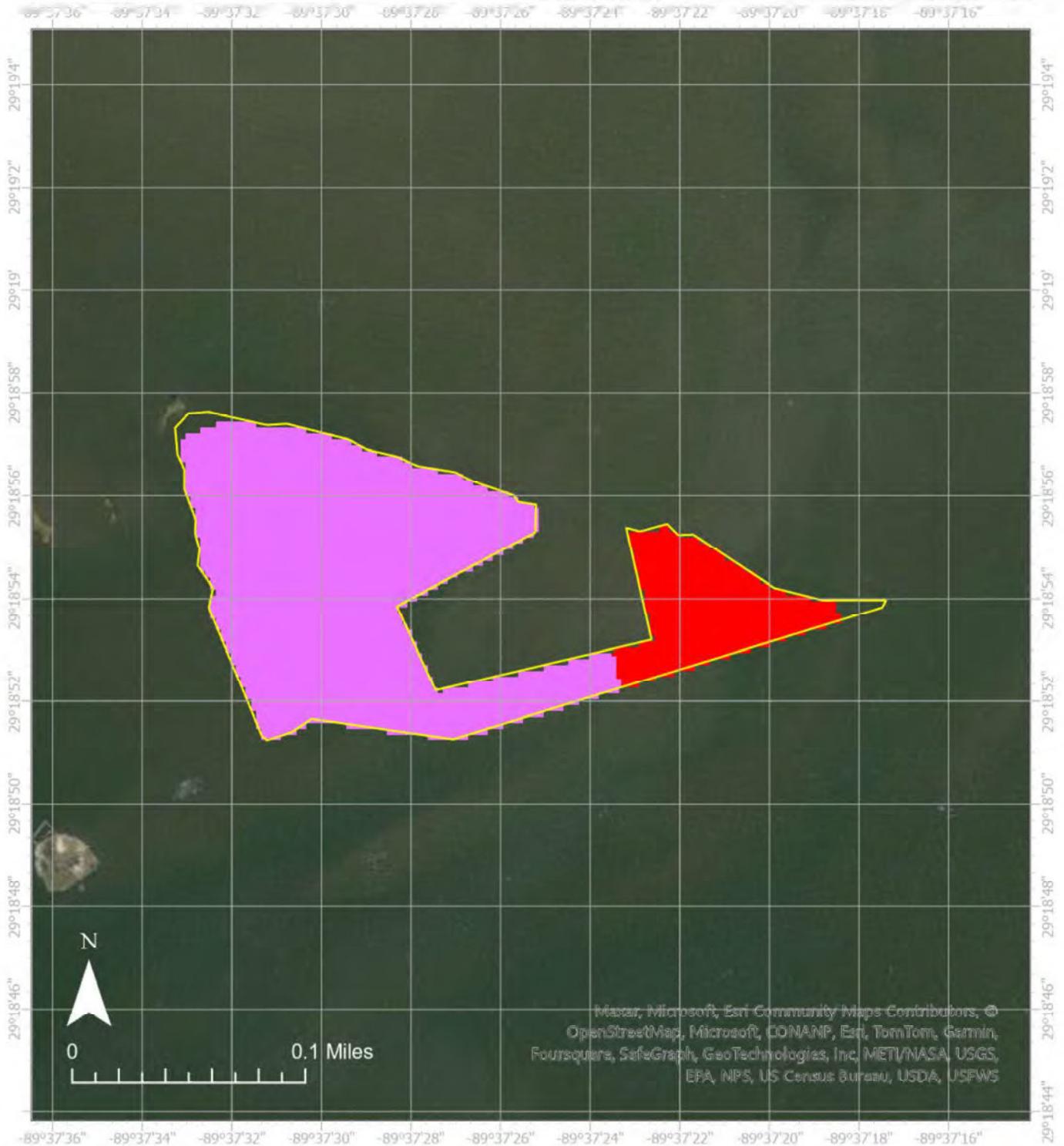
7.62 MT CO₂/acre/year – 20.95

13.45 MT CO₂/acre/year – 0.51

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: OYSTER EAGLE, L.L.C.
 Lease Number: 2850416
 Latitude: 29.31507, Longitude -89.62439
 Location: A BAY NORTH OF BAYOU LA CHUTE
 Area: 9 acres

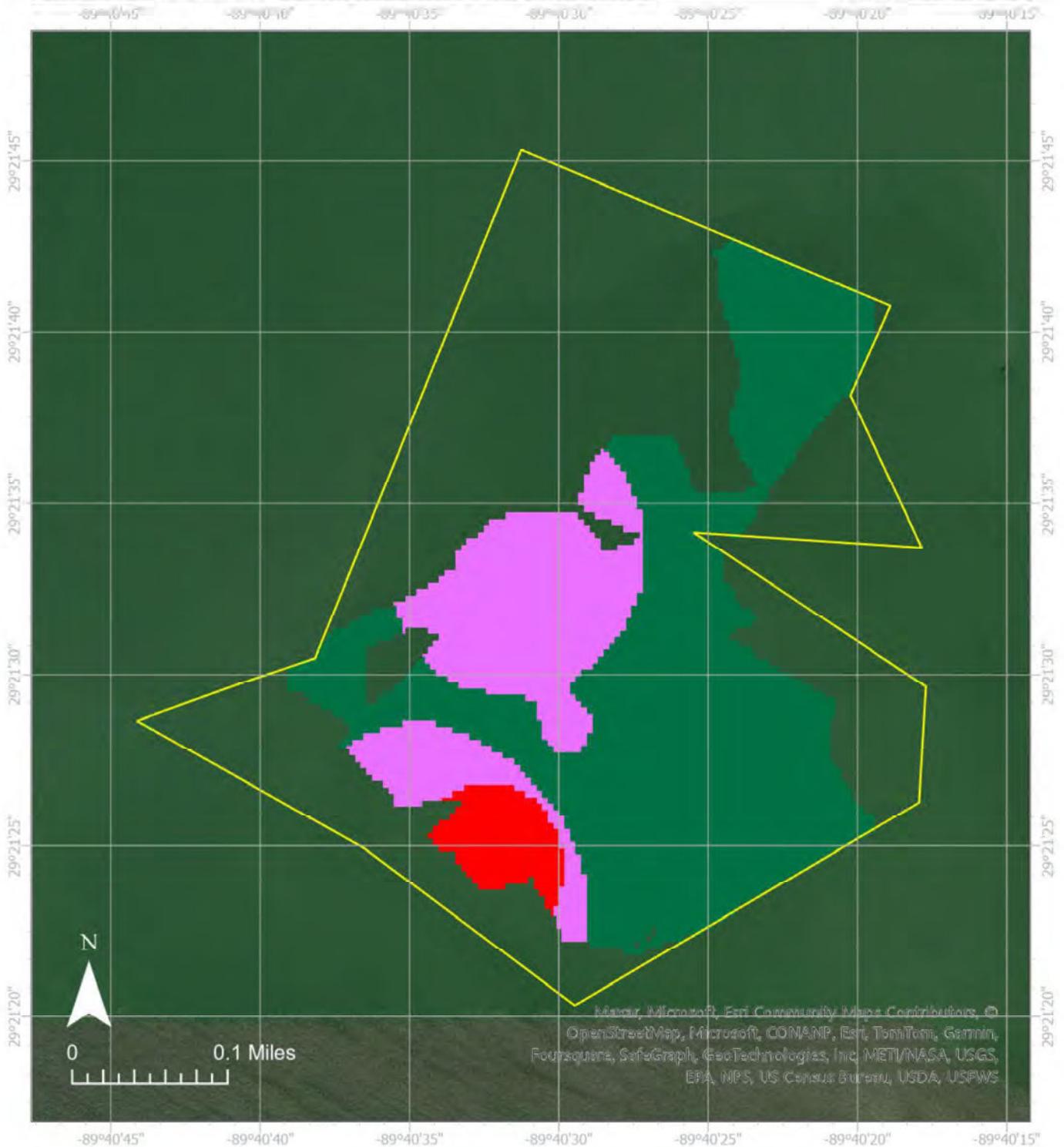
7.62 MT CO₂/acre/year – 1.64

13.45 MT CO₂/acre/year – 7.06

19.36 MT CO₂/acre/year –

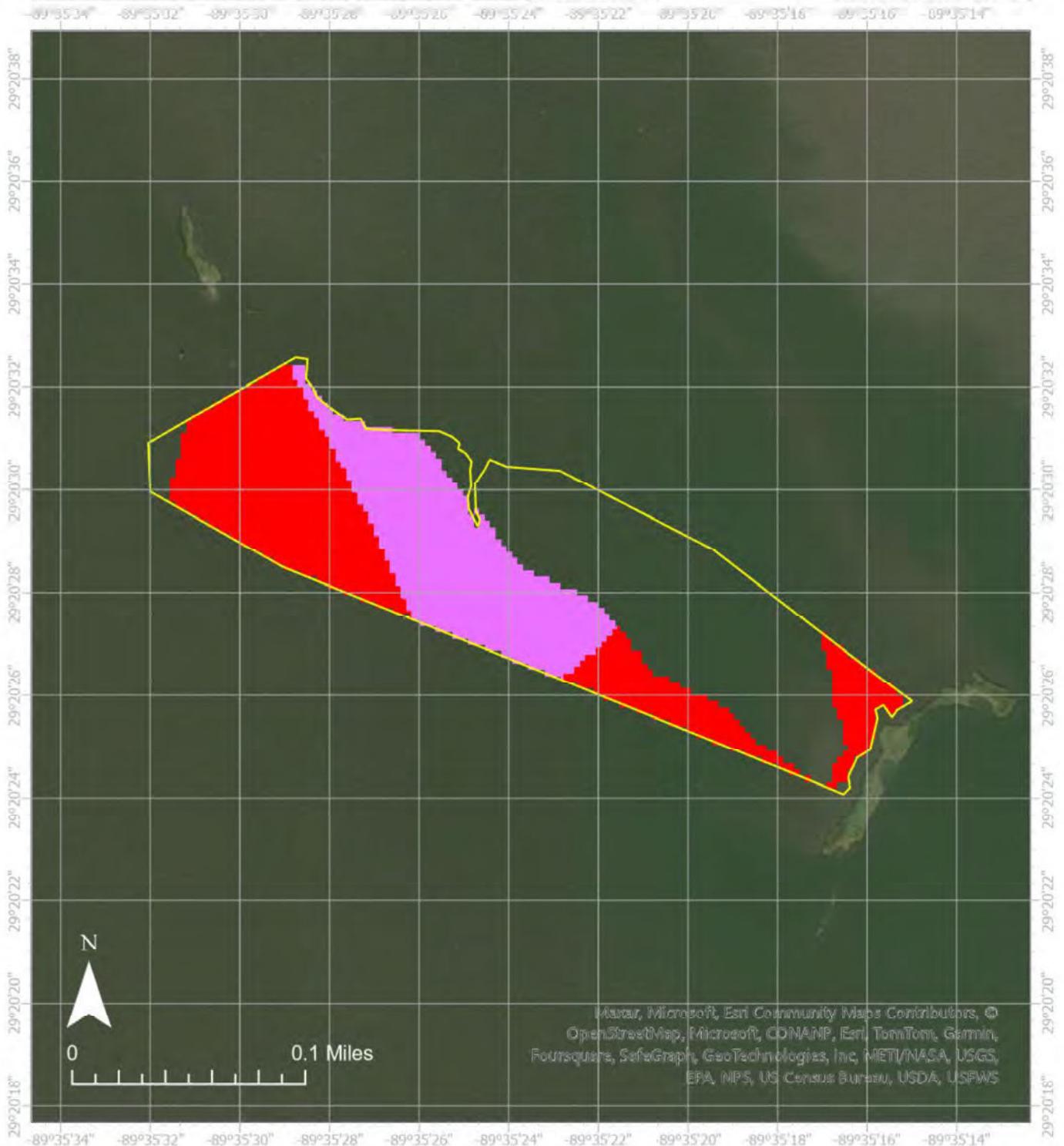
Lease Boundary





Lease Holder: FOX SEAFOODS, INC.
 Lease Number: 2861116
 Latitude: 29.35894, Longitude -89.67461
 Location: BAY AU FER
 Area: 73 acres

- 7.62 MT CO₂/acre/year – 2.30
- 13.45 MT CO₂/acre/year – 10.46
- 19.36 MT CO₂/acre/year – 25.12
- Lease Boundary



Lease Holder: GRASSHOPPER OYSTERS, INC.
 Lease Number: 2861216
 Latitude: 29.34122, Longitude -89.58990
 Location: A BAY SOUTH OF DRAKES BAY. PORTION OF LEASE ACQUIRED BY CPRA.
 Area: 12 acres

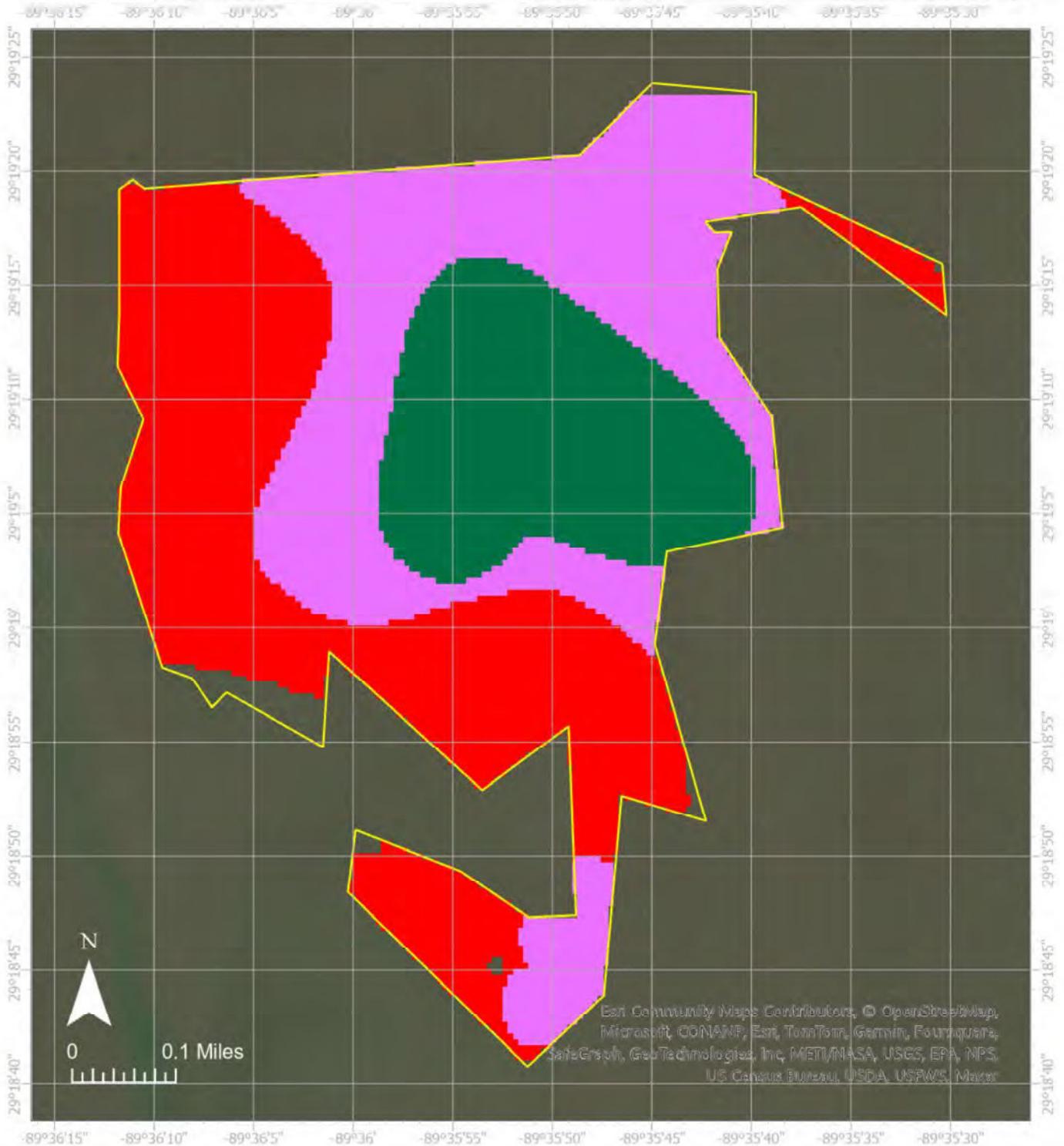
7.62 MT CO₂/acre/year – 3.95

13.45 MT CO₂/acre/year – 2.71

19.36 MT CO₂/acre/year –

Lease Boundary

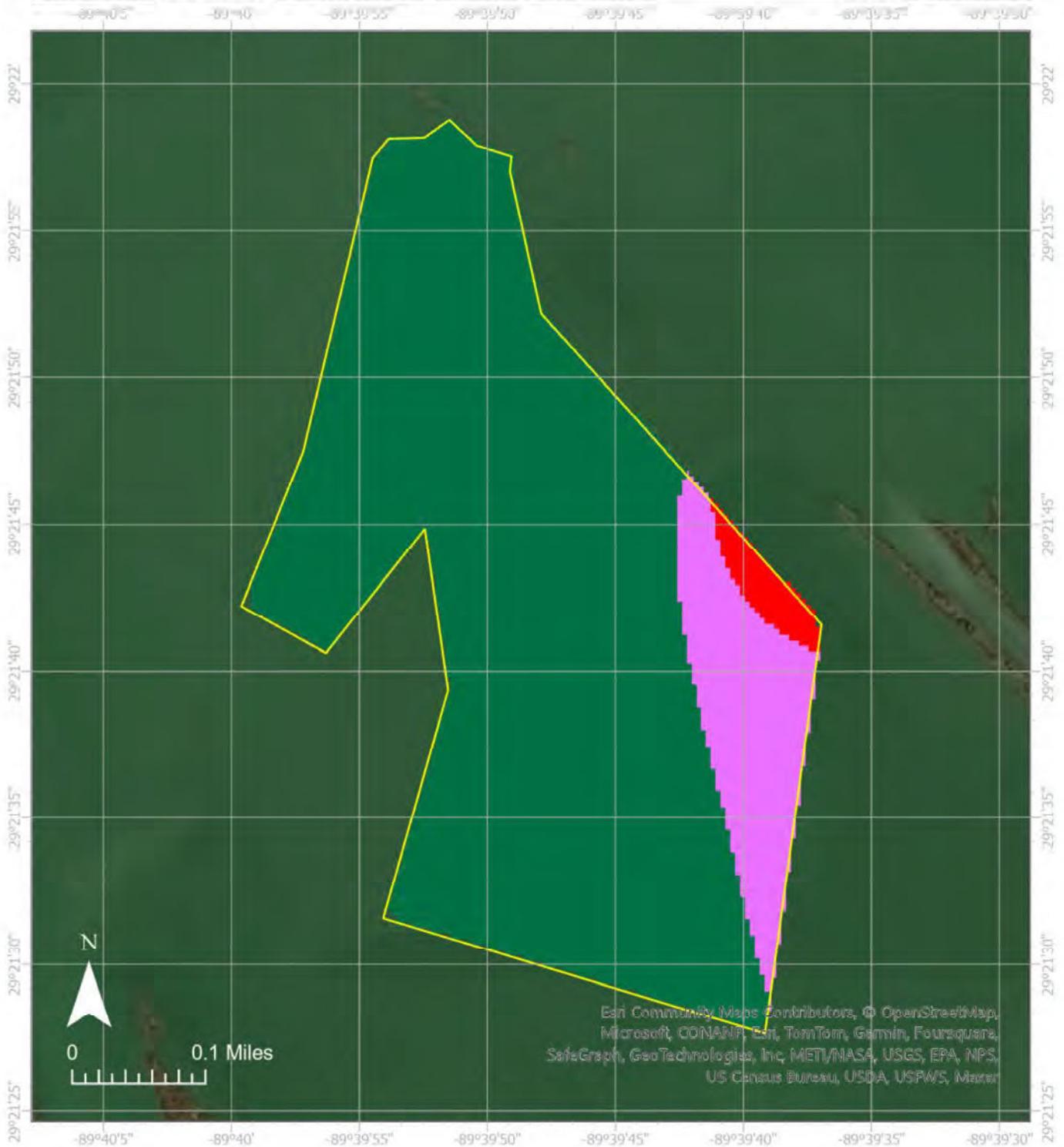




Lease Holder: MITCHELL B. JURISICH, JR.
 Lease Number: 2863716
 Latitude: 29.31849, Longitude -89.59854
 Location: A BAY EAST OF EMPIRE WATERWAY
 Area: 175 acres

7.62 MT CO ₂ /acre/year – 72.35	
13.45 MT CO ₂ /acre/year – 61.34	
19.36 MT CO ₂ /acre/year – 36.45	
Lease Boundary	

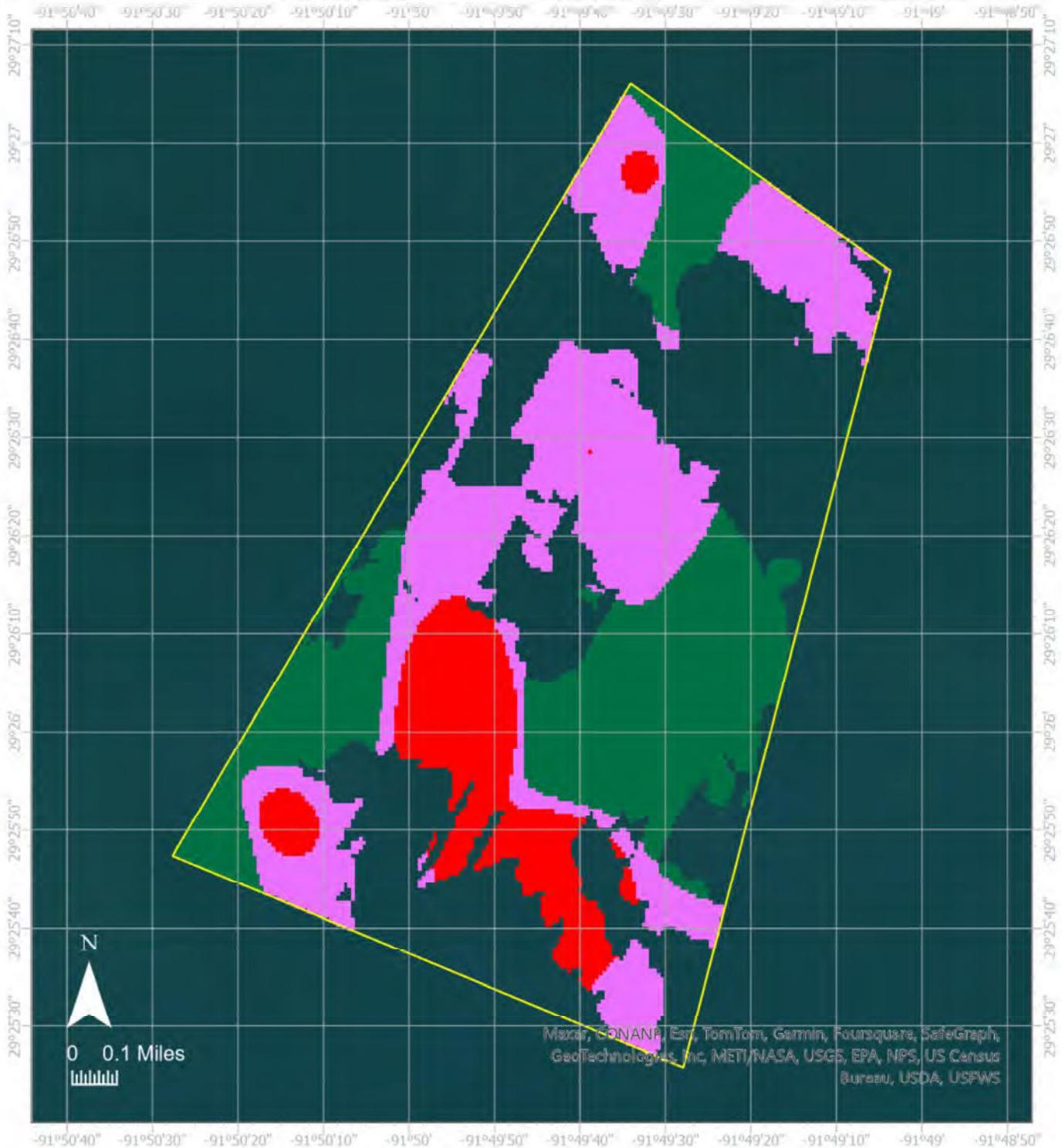
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Lease Holder: JEFFERY P. GALLET, JR.
 Lease Number: 2864916
 Latitude: 29.36164, Longitude -89.66323
 Location: SOUTH OF MEYERS CANAL AND EAST OF GRAND BAYOU
 Area: 76 acres

7.62 MT CO ₂ /acre/year – 1.68	
13.45 MT CO ₂ /acre/year – 9.47	
19.36 MT CO ₂ /acre/year – 65.18	
Lease Boundary	

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Lease Holder: MISHO'S QUALITY OYSTERS, L.L.C.
 Lease Number: 2872717
 Latitude: 29.43696, Longitude -91.82793
 Location: GULF OF MEXICO
 Area: 902 acres

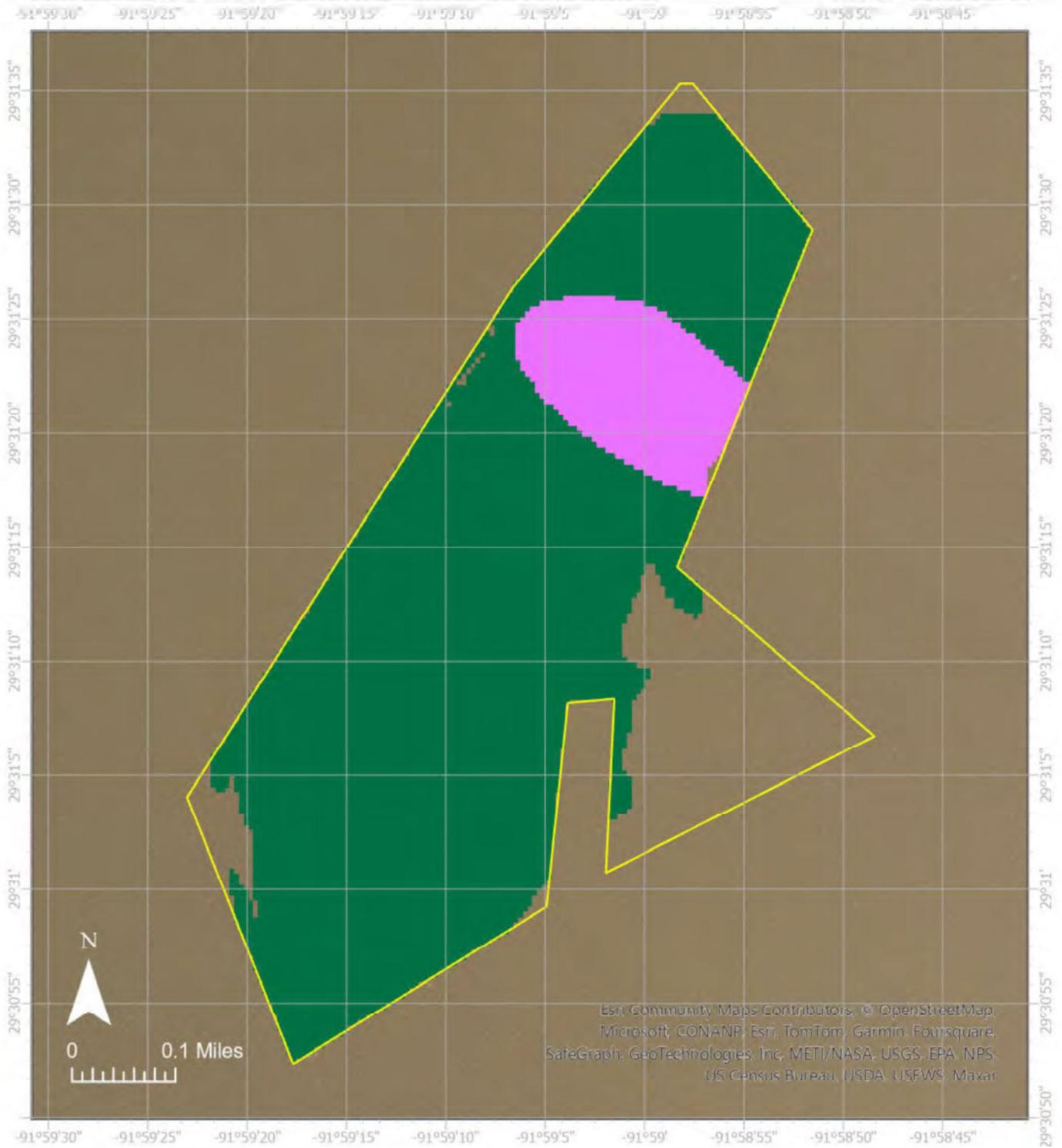
7.62 MT CO₂/acre/year – 96.61

13.45 MT CO₂/acre/year – 237.74

19.36 MT CO₂/acre/year – 213.90

Lease Boundary





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Lease Holder: GULF OYSTERS IV, INC.
 Lease Number: 2874417
 Latitude: 29.52010, Longitude -91.98498
 Location: GULF OF MEXICO
 Area: 138 acres

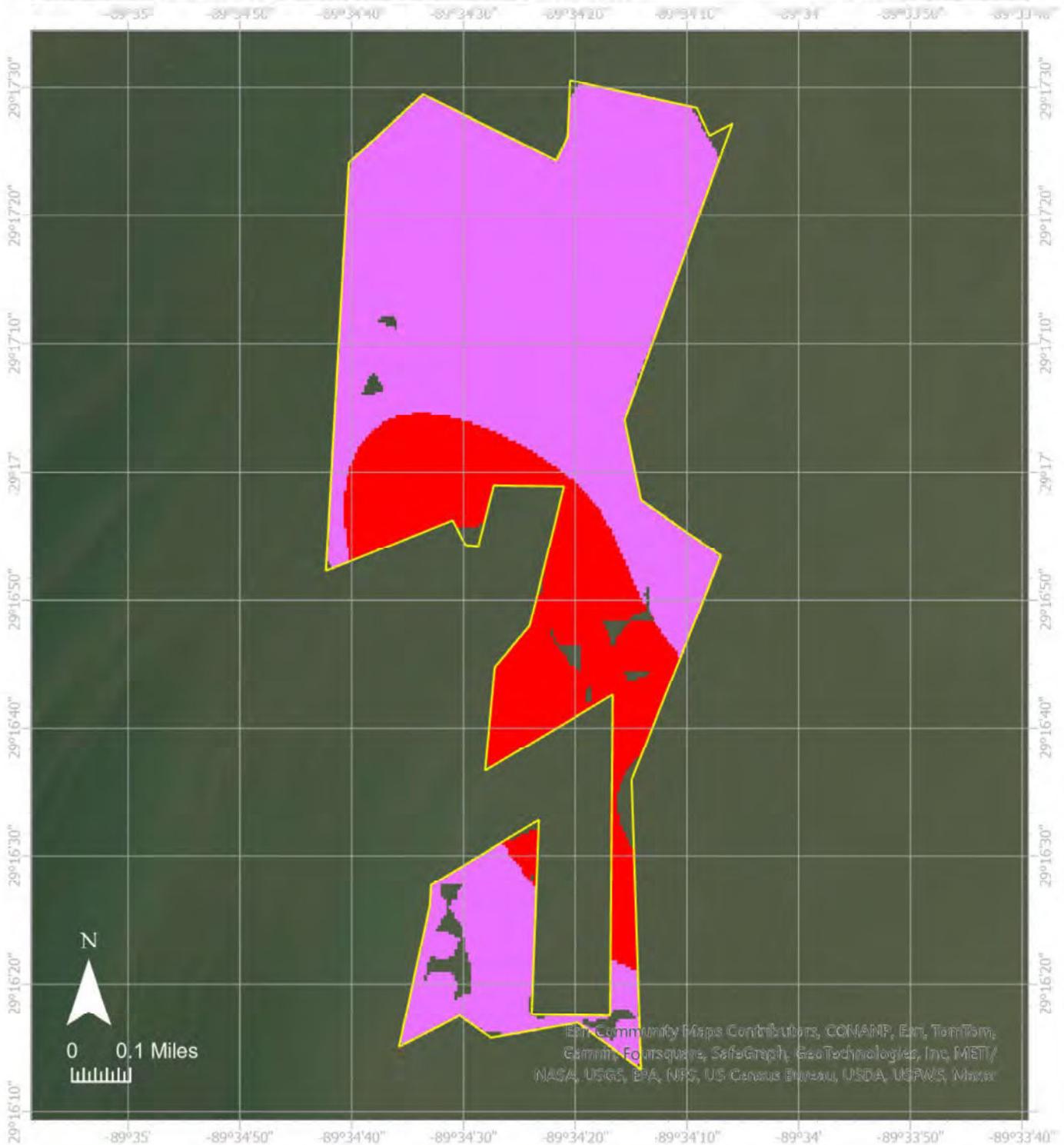
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year - 14.12

19.36 MT CO₂/acre/year - 102.65

Lease Boundary

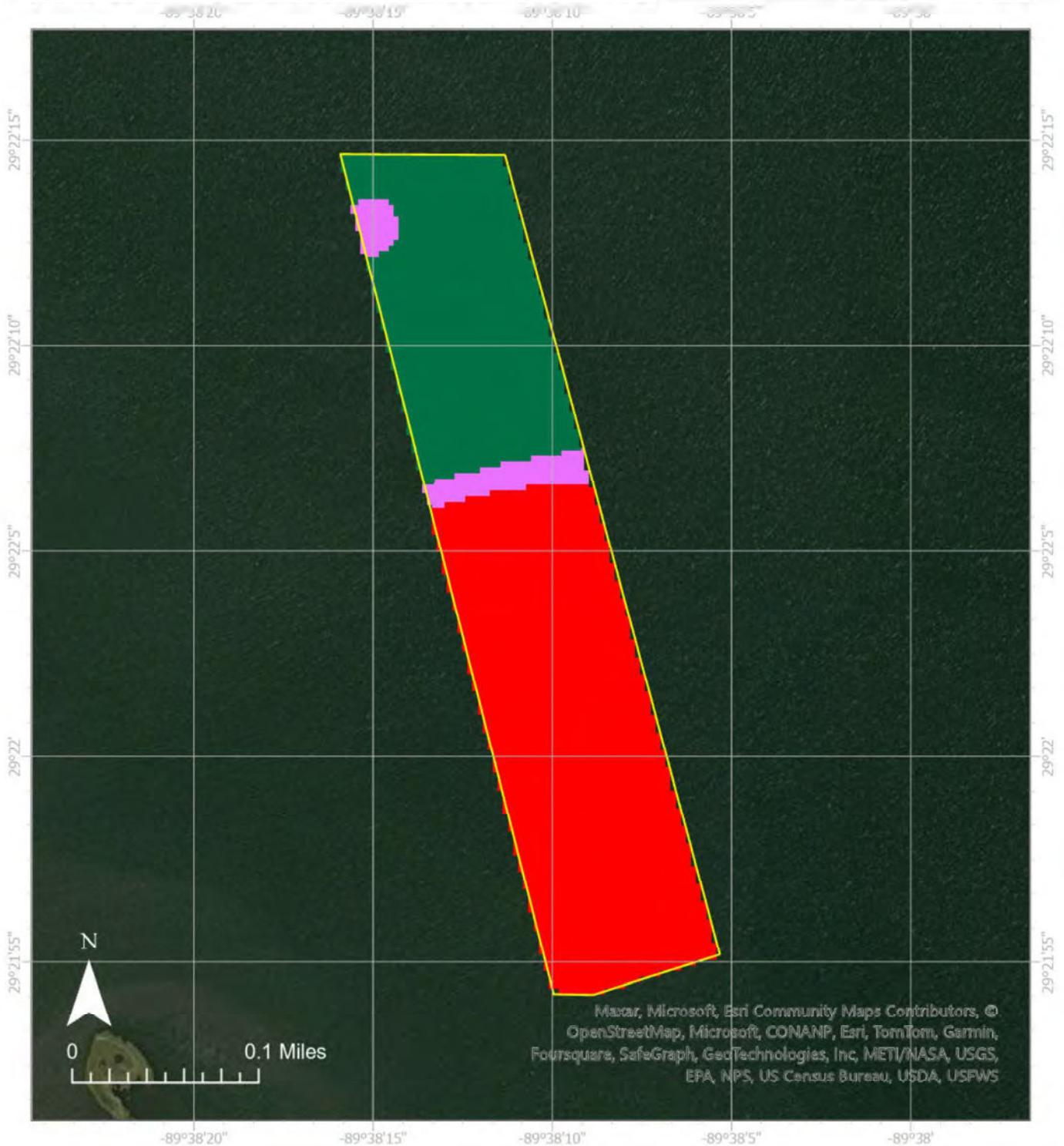




ESRI, Community Maps Contributors, COMANP, Esri, TomTom, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/ NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Mapbox

Lease Holder: TESVICH OYSTER CORPORATION
 Lease Number: 2876022
 Latitude: 29.28355, Longitude -89.57348
 Location: SUNKEN MARSH WEST OF ENGLISH BAYOU
 Area: 286 acres

- 7.62 MT CO₂/acre/year – 75.43
- 13.45 MT CO₂/acre/year – 198.88
- 19.36 MT CO₂/acre/year –
- Lease Boundary

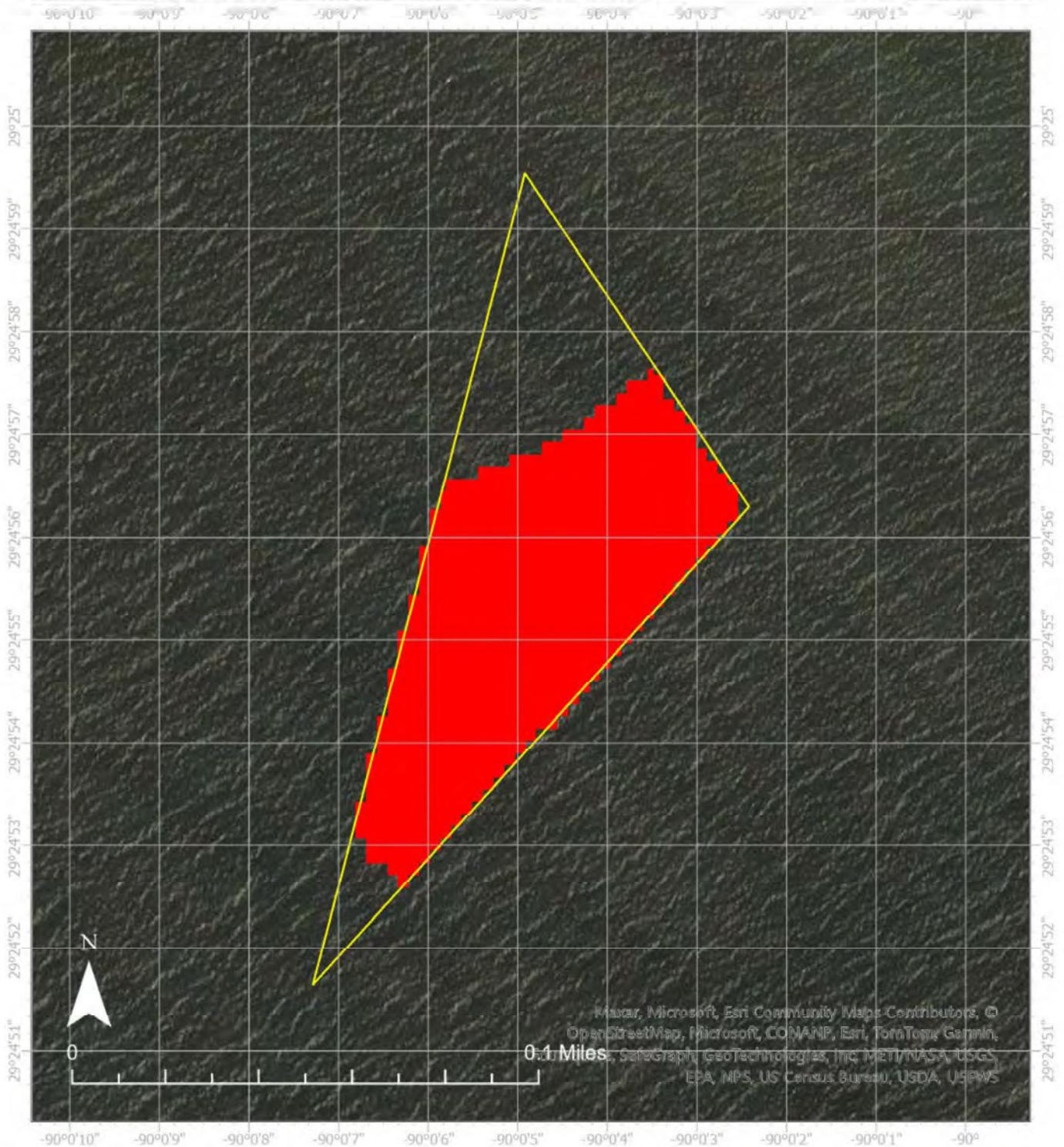


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Lease Holder: OYSTER EAGLE, L.L.C.
 Lease Number: 2885517
 Latitude: 29.36792, Longitude -89.63628
 Location: ADAMS BAY
 Area: 20 acres

7.62 MT CO₂/acre/year – 11.78
 13.45 MT CO₂/acre/year – 0.99
 19.36 MT CO₂/acre/year – 6.74

Lease Boundary



Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 2889822
 Latitude: 29.41551, Longitude -90.00135
 Location: BAY CHOLAS
 Area: 3 acres

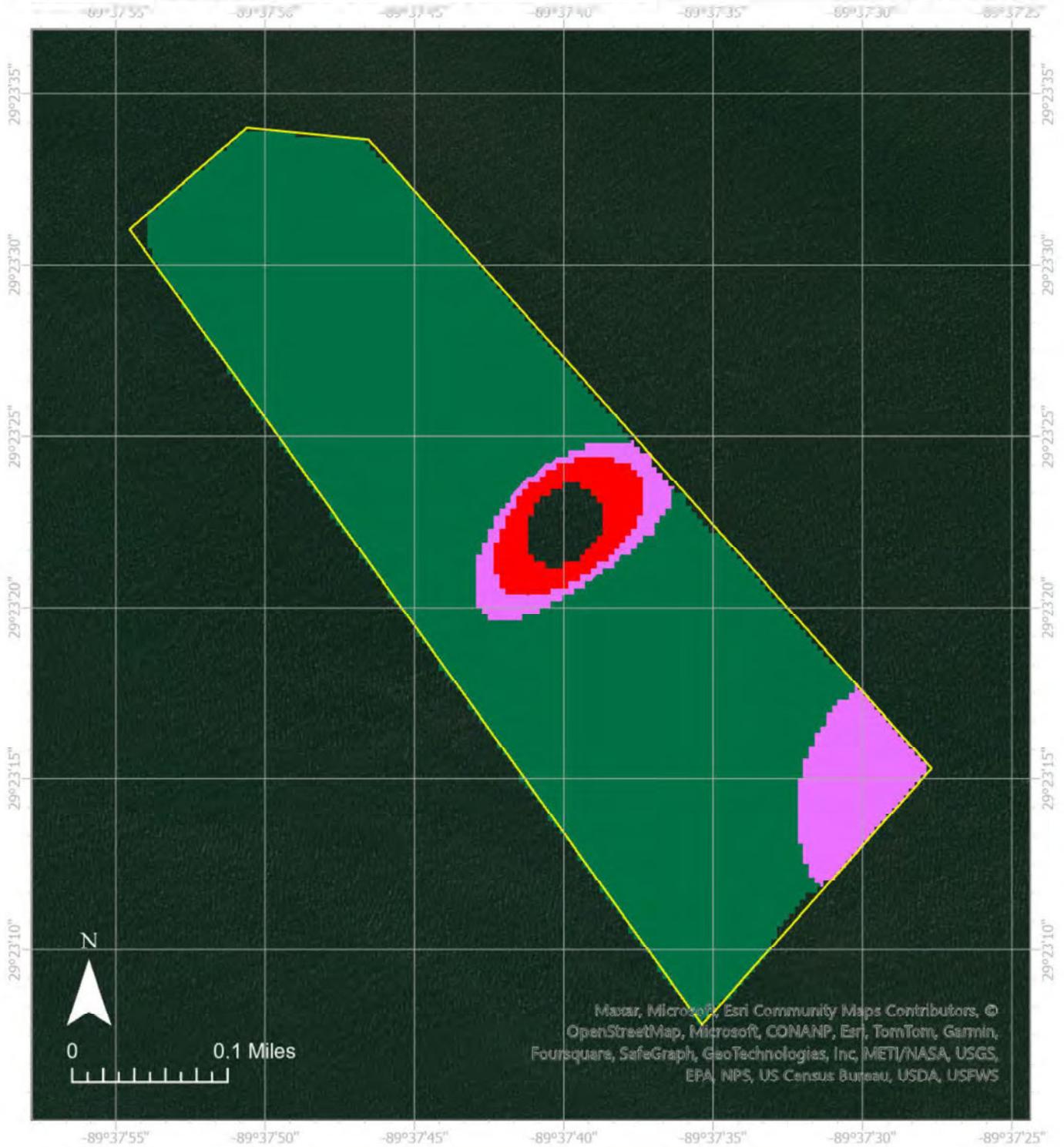
7.62 MT CO₂/acre/year – 1.98

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: KUZMA I. TESVICH, JR.
 Lease Number: 2891617
 Latitude: 29.38934, Longitude -89.62802
 Location: ADAMS BAY
 Area: 55 acres

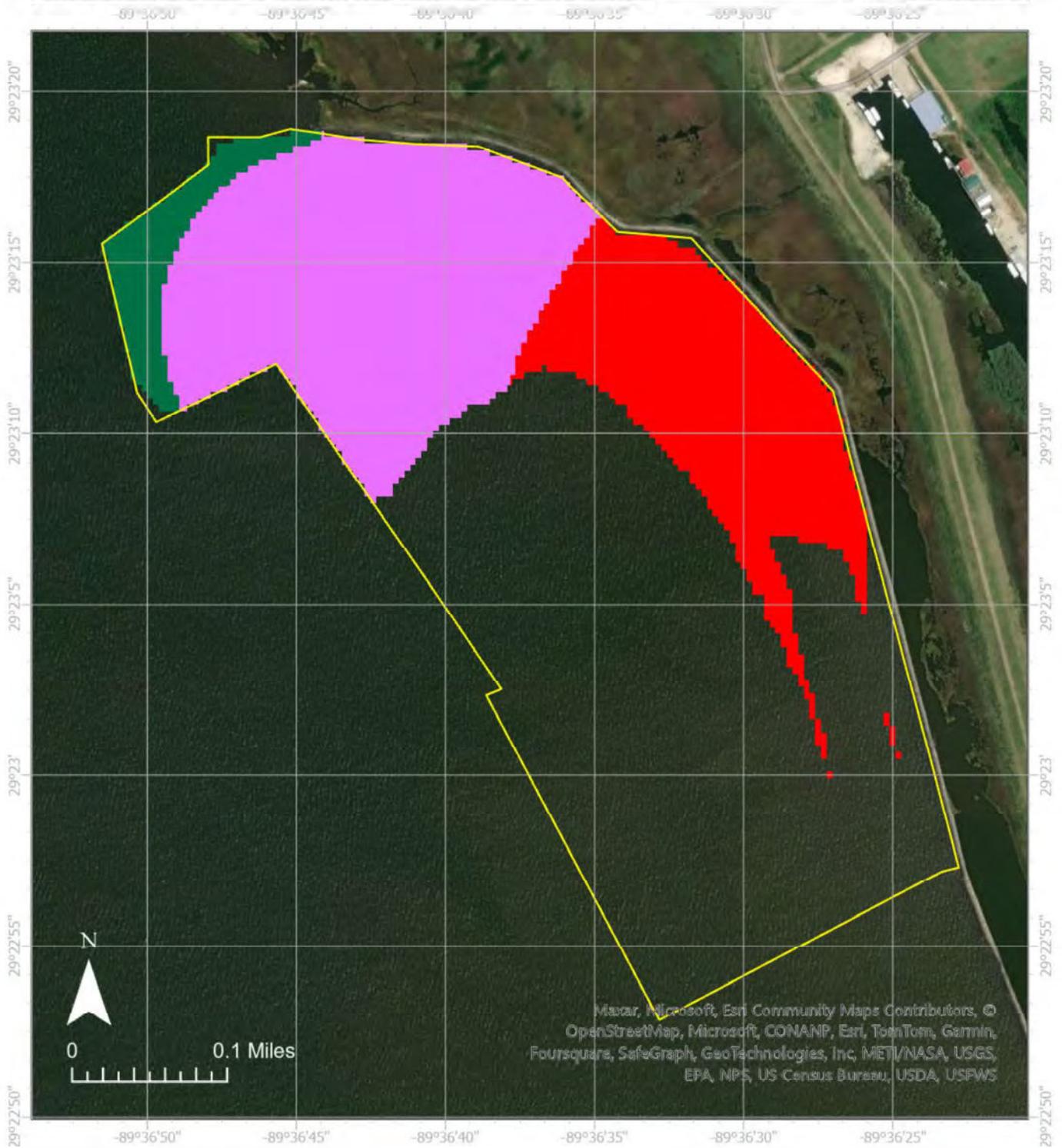
7.62 MT CO₂/acre/year – 2.11

13.45 MT CO₂/acre/year – 4.61

19.36 MT CO₂/acre/year – 46.15

Lease Boundary

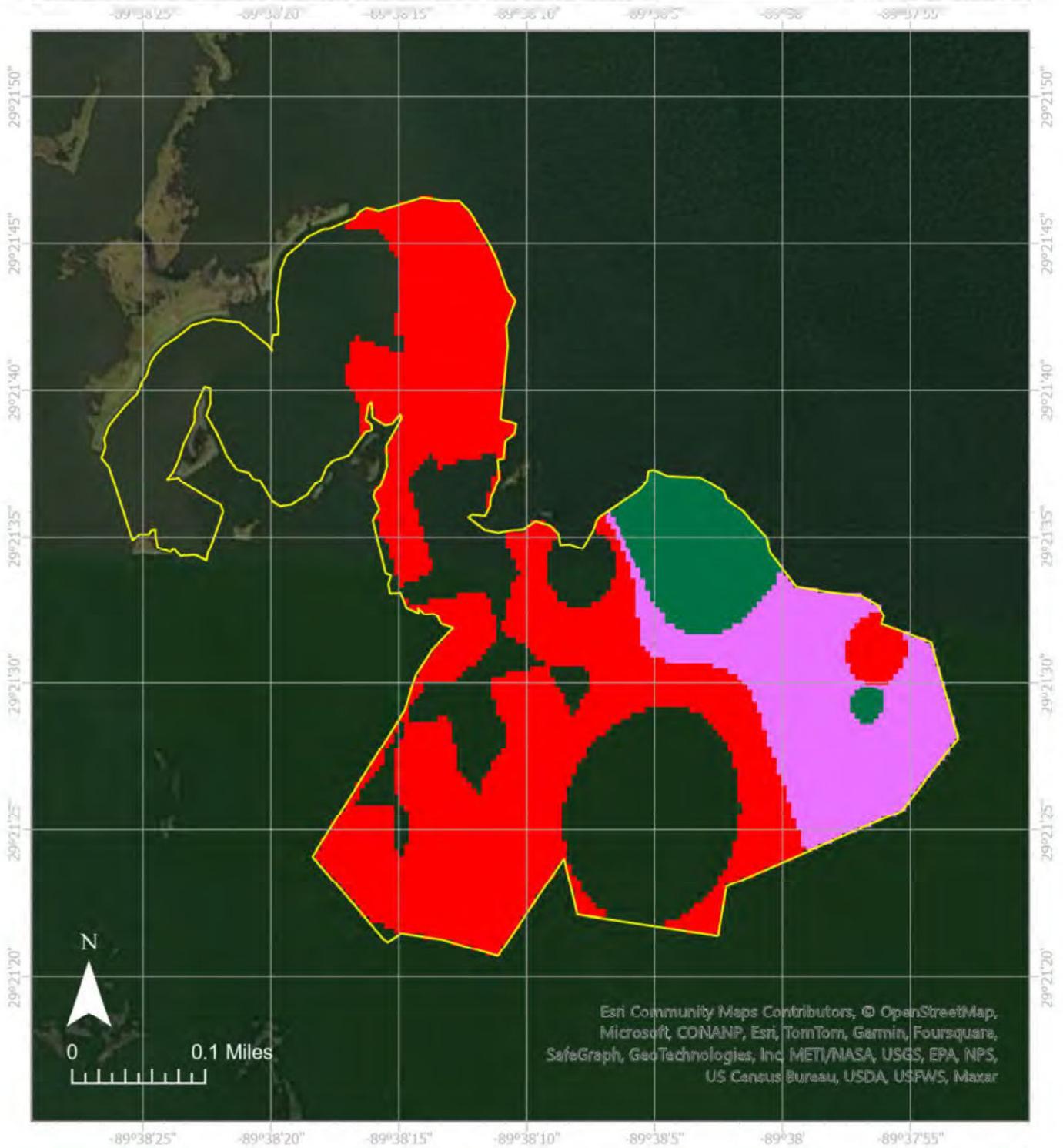




Lease Holder: SHELL ISLAND, INC.
 Lease Number: 2893217
 Latitude: 29.38543, Longitude -89.60985
 Location: ADAMS BAY
 Area: 77 acres

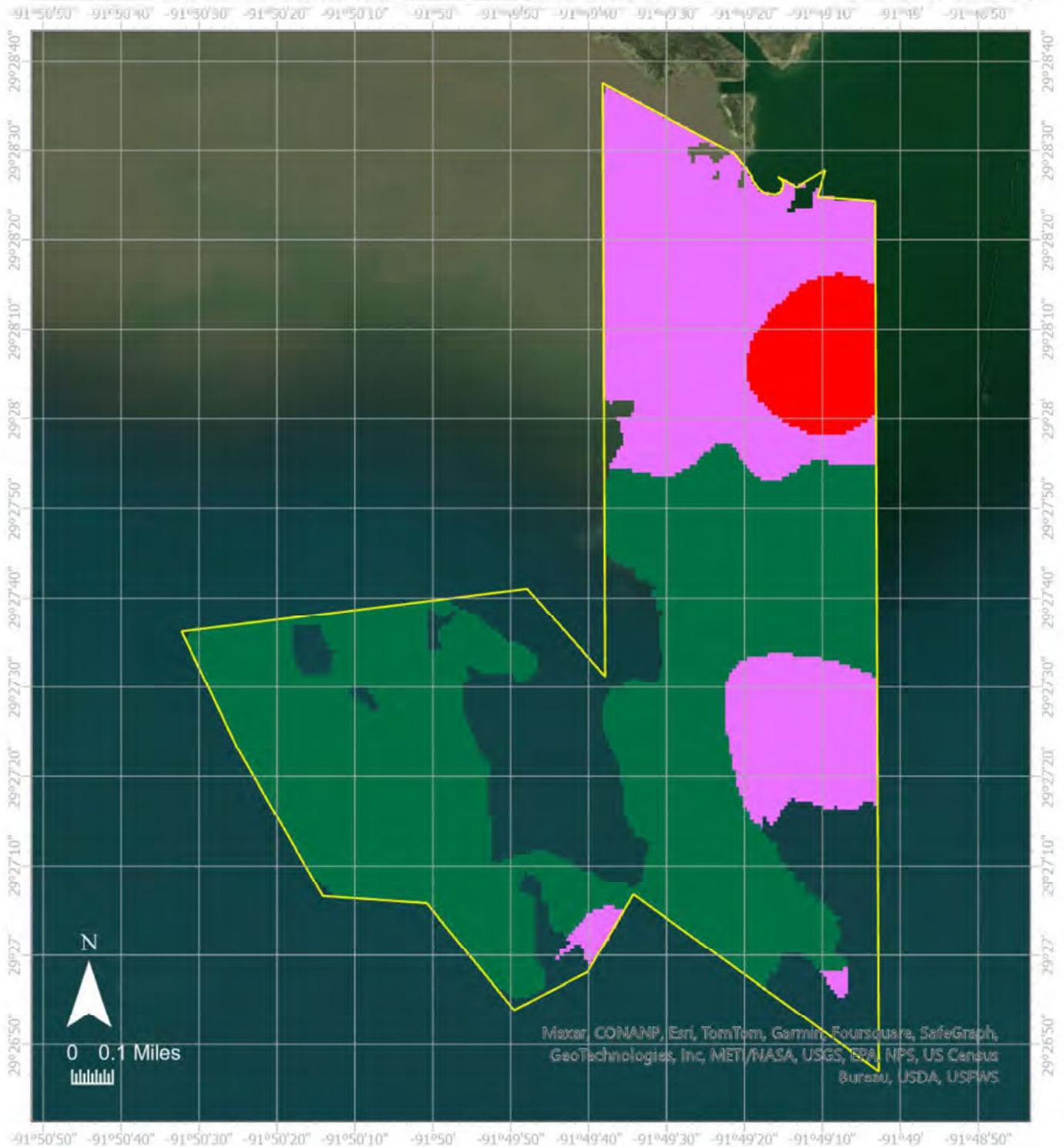
7.62 MT CO₂/acre/year - 13.10
 13.45 MT CO₂/acre/year - 20.03
 19.36 MT CO₂/acre/year - 2.51

Lease Boundary



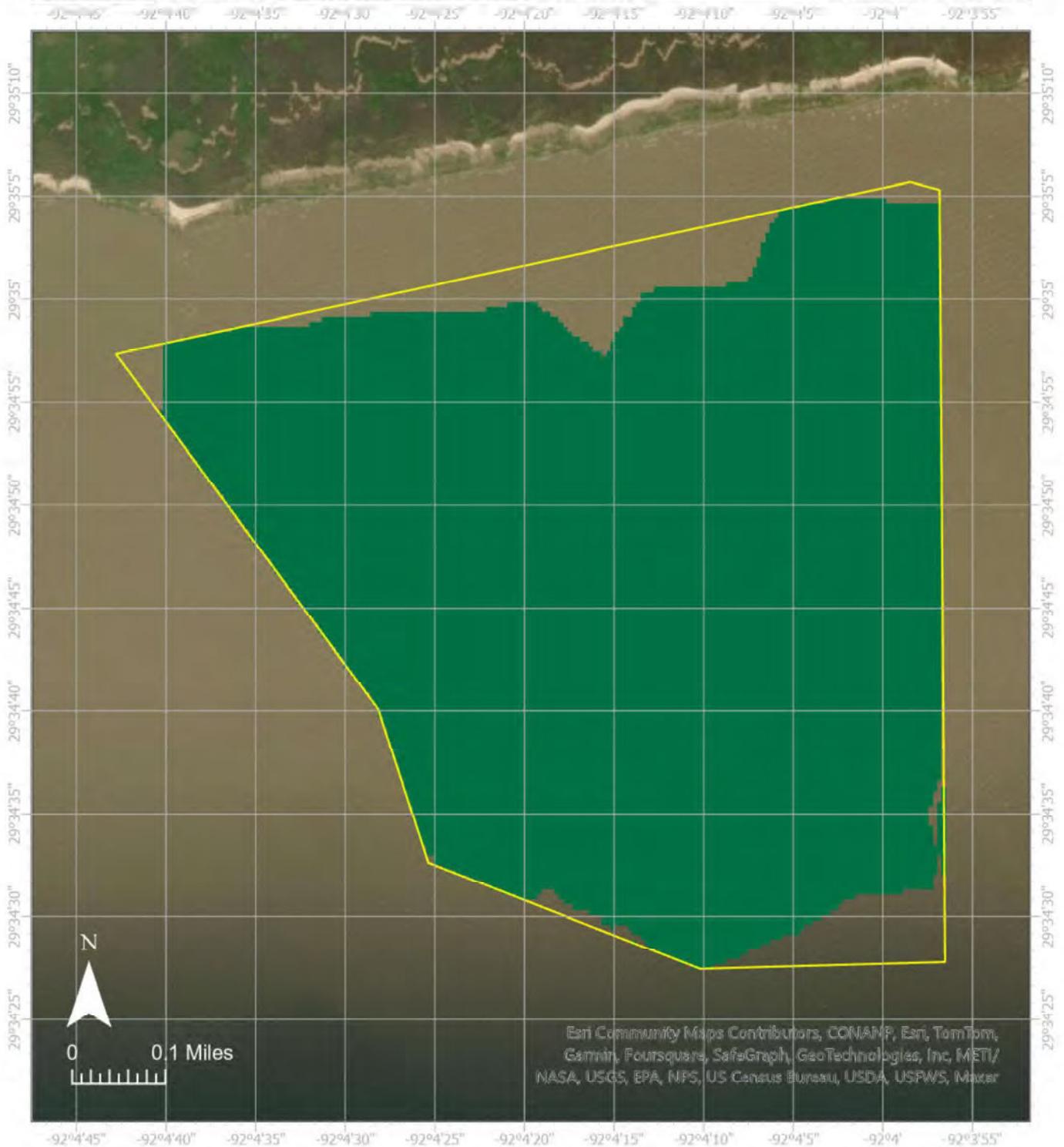
Lease Holder: FOX SEAFOODS, INC.
 Lease Number: 2908817
 Latitude: 29.35895, Longitude -89.63599
 Location: HALFMOON BAY
 Area: 79 acres

7.62 MT CO ₂ /acre/year – 32.55	
13.45 MT CO ₂ /acre/year – 10.58	
19.36 MT CO ₂ /acre/year – 4.88	
Lease Boundary	



Lease Holder: GULF OYSTERS III, INC.
 Lease Number: 2909017
 Latitude: 29.45996, Longitude -91.82603
 Location: GULF OF MEXICO
 Area: 998 acres

- 7.62 MT CO₂/acre/year – 52.17
- 13.45 MT CO₂/acre/year – 266.05
- 19.36 MT CO₂/acre/year – 486.14
- Lease Boundary



Lease Holder: SLABIC OYSTERS, L.L.C. AND GULF OYSTERS, VI, INC.
 Lease Number: 2910018A
 Latitude: 29.57971, Longitude -92.07056
 Location: GULF OF MEXICO
 Area: 892 acres

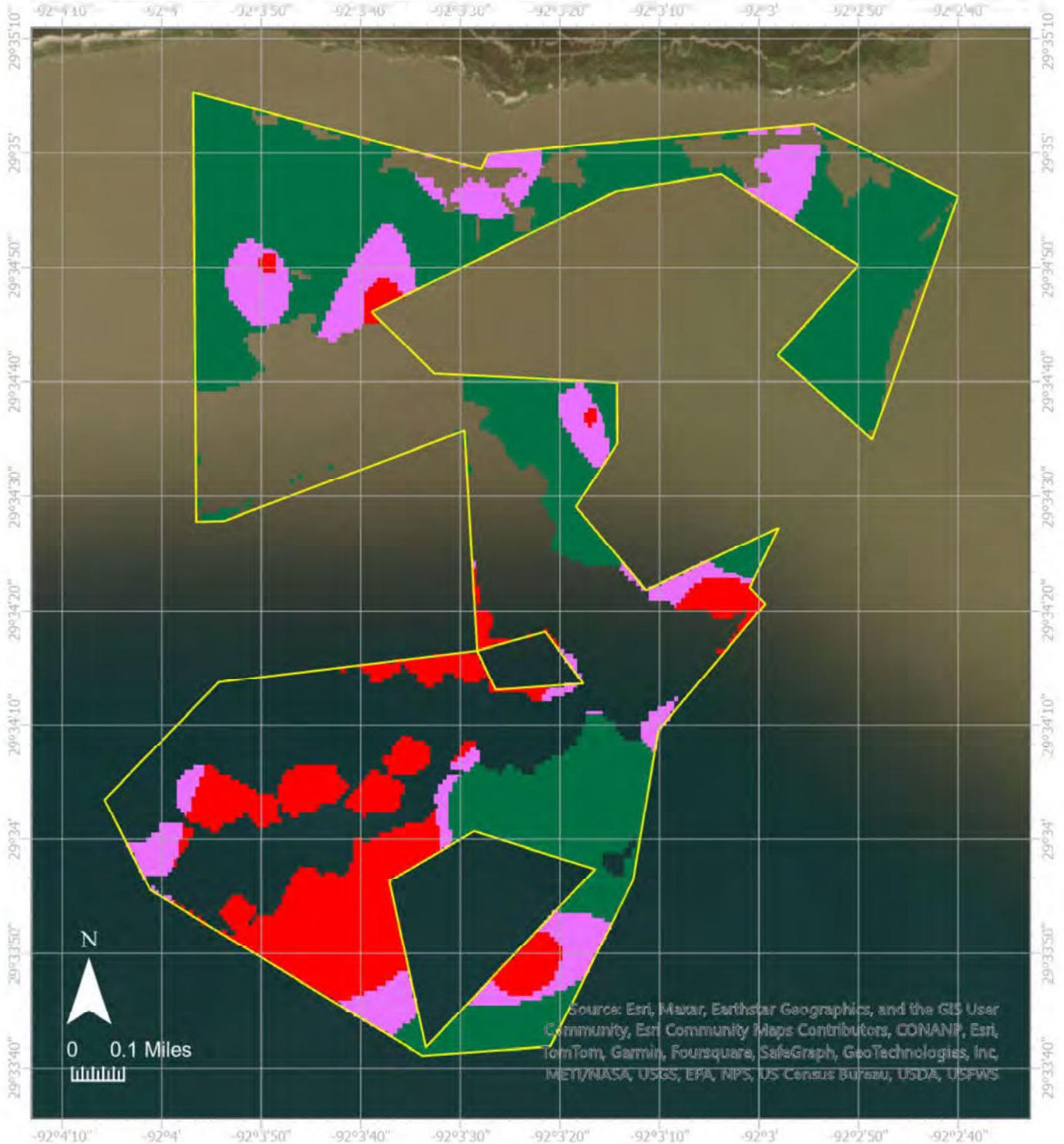
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year -

19.36 MT CO₂/acre/year - 224.73

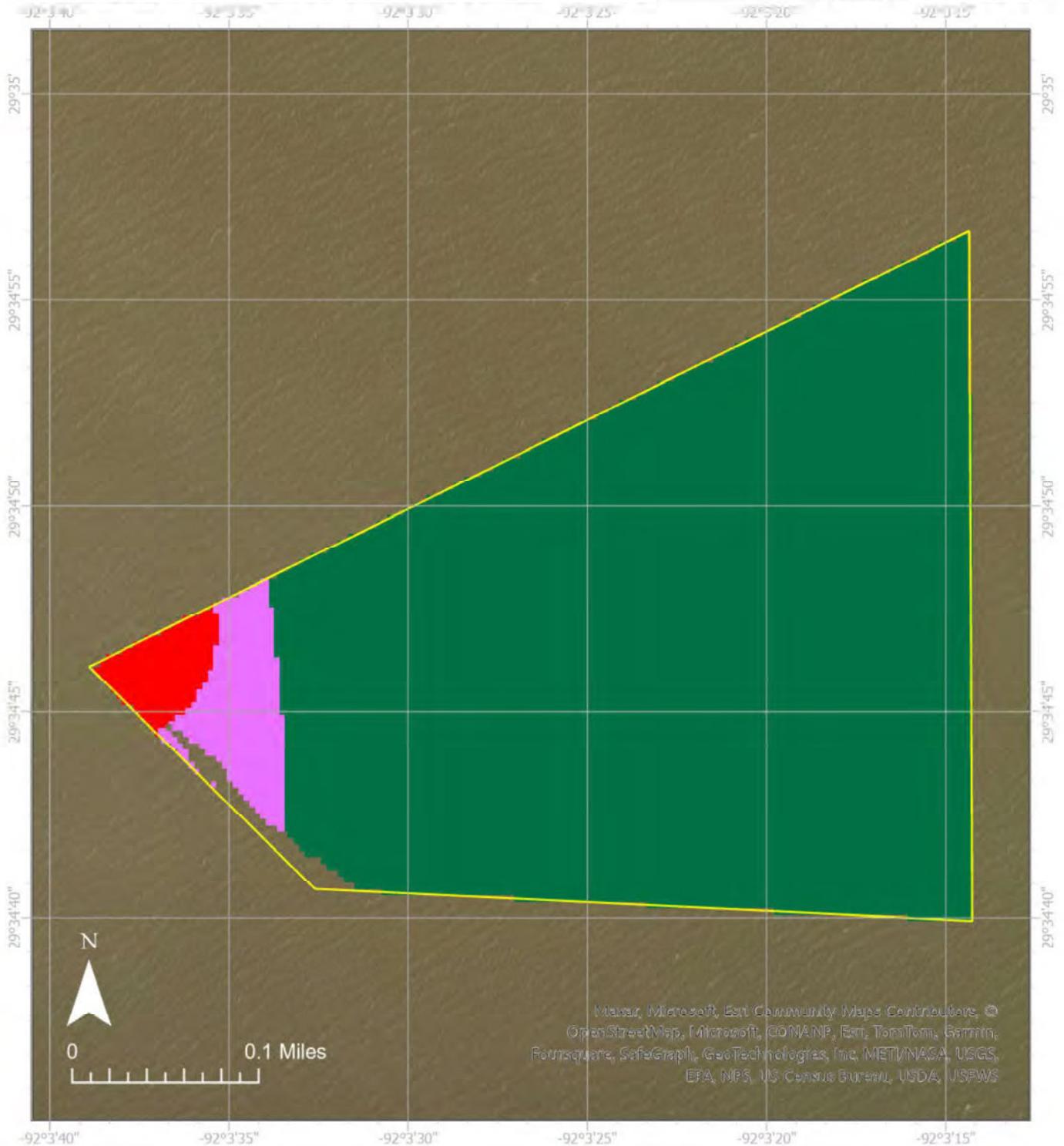
Lease Boundary





Lease Holder: SLABIC OYSTERS, L.L.C.
 Lease Number: 2910018B
 Latitude: 29.56687, Longitude 3458
 Location: GULF OF MEXICO
 Area: 892 acres

7.62 MT CO ₂ /acre/year – 76	
13.45 MT CO ₂ /acre/year – 62	
19.36 MT CO ₂ /acre/year – 206	
Lease Boundary	

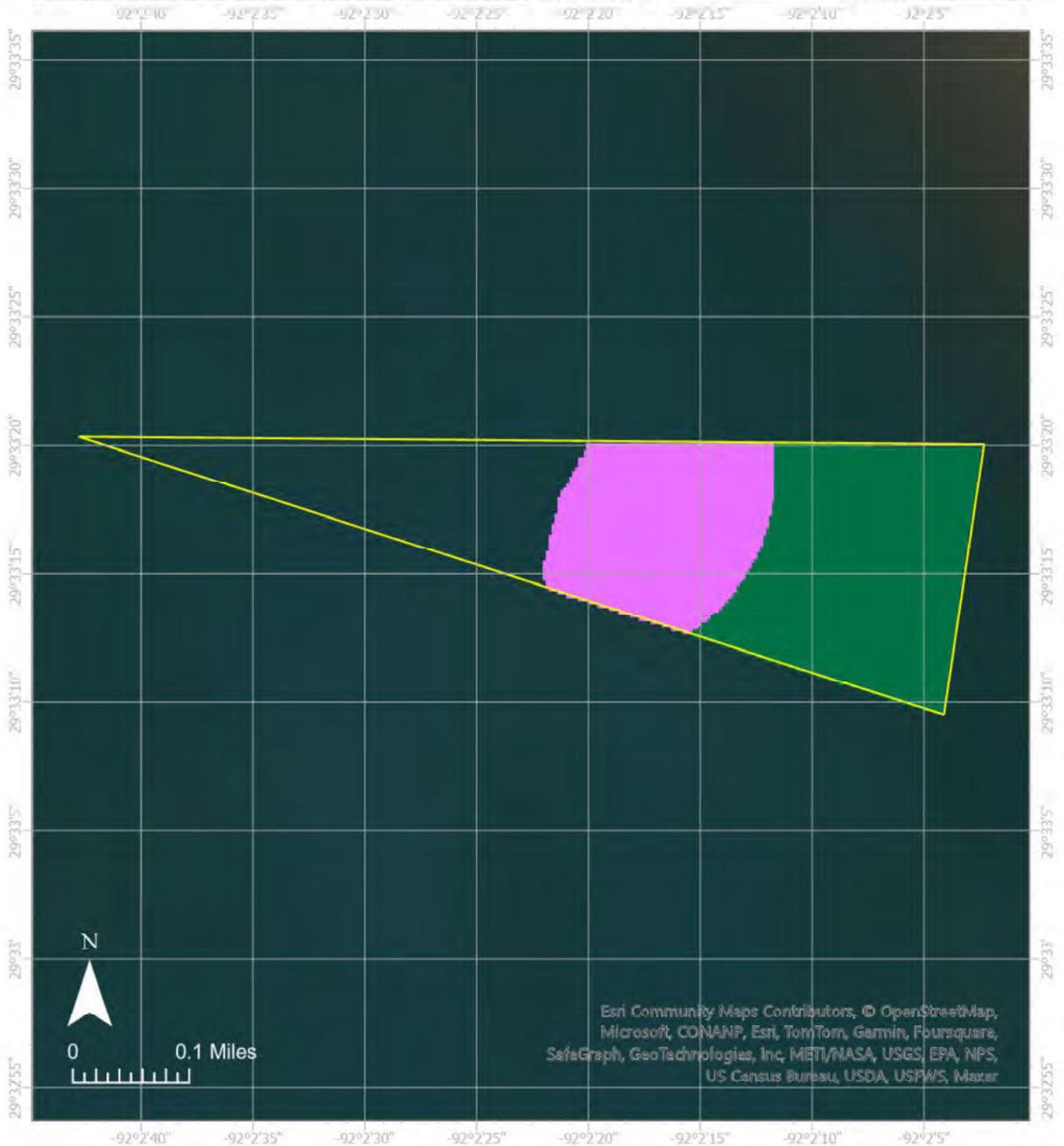


Lease Holder: SLABIC OYSTERS, L.L.C. AND GULF OYSTERS, VI, INC.
 Lease Number: 2910018C
 Latitude: 29.57960, Longitude -92.05657
 Location: GULF OF MEXICO
 Area: 892 acres

7.62 MT CO₂/acre/year – 1.25
 13.45 MT CO₂/acre/year – 2.25
 19.36 MT CO₂/acre/year – 47.74

Lease Boundary		

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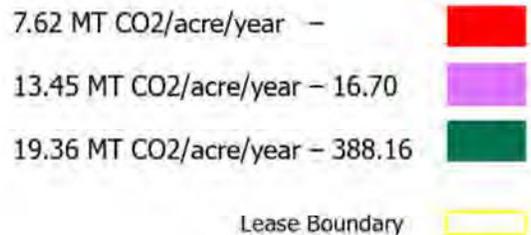


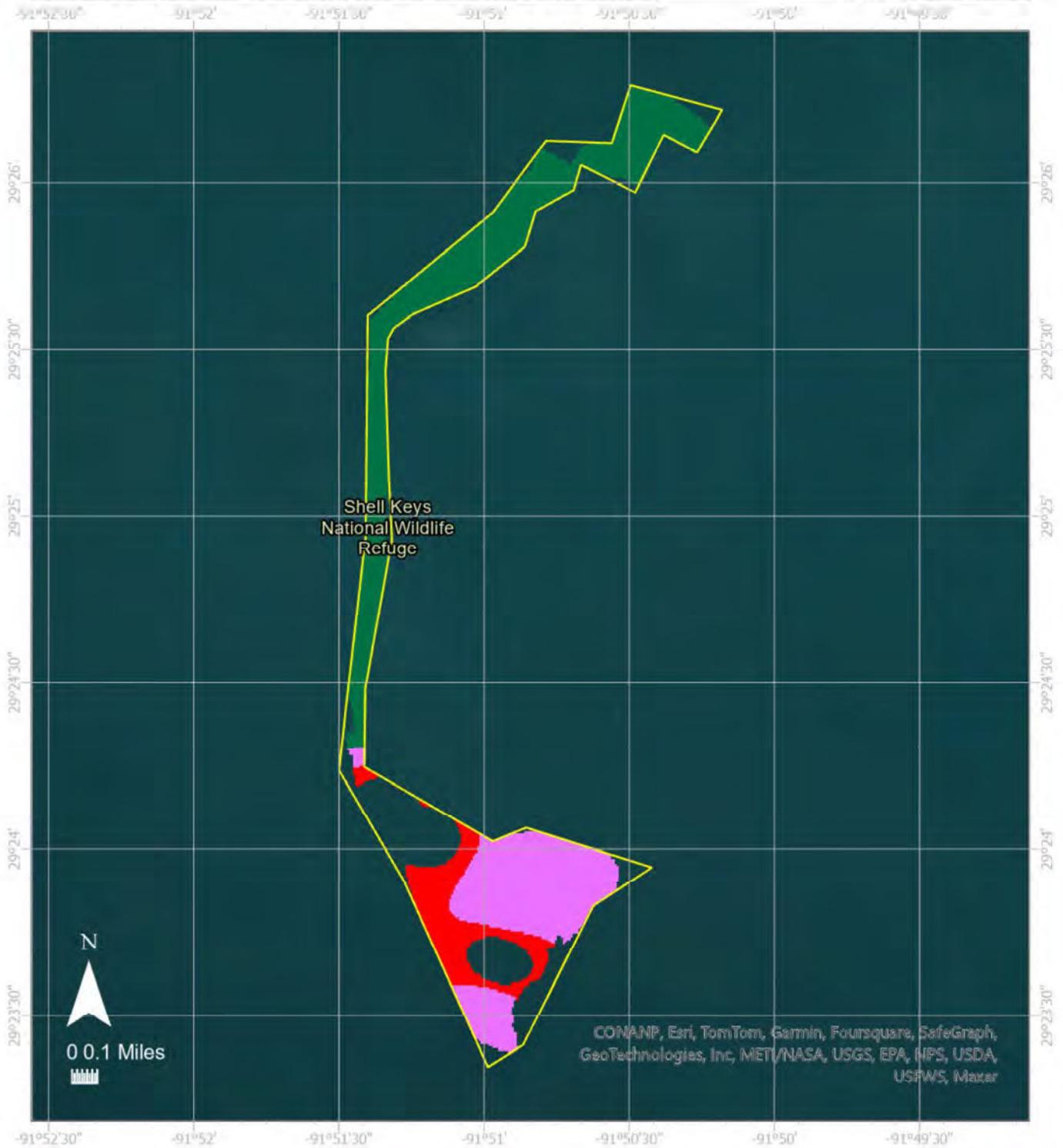
Lease Holder: GULF OYSTERS I, INC.
 Lease Number: 2911118
 Latitude: 29.55462, Longitude -92.03789
 Location: GULF OF MEXICO
 Area: 44 acres

7.62 MT CO ₂ /acre/year –	
13.45 MT CO ₂ /acre/year – 12.47	
19.36 MT CO ₂ /acre/year – 18.25	
Lease Boundary	



Lease Holder: GULF OYSTERS IV, INC.
 Lease Number: 2911518
 Latitude: 29.45239, Longitude -91.84600
 Location: GULF OF MEXICO
 Area: 712 acres

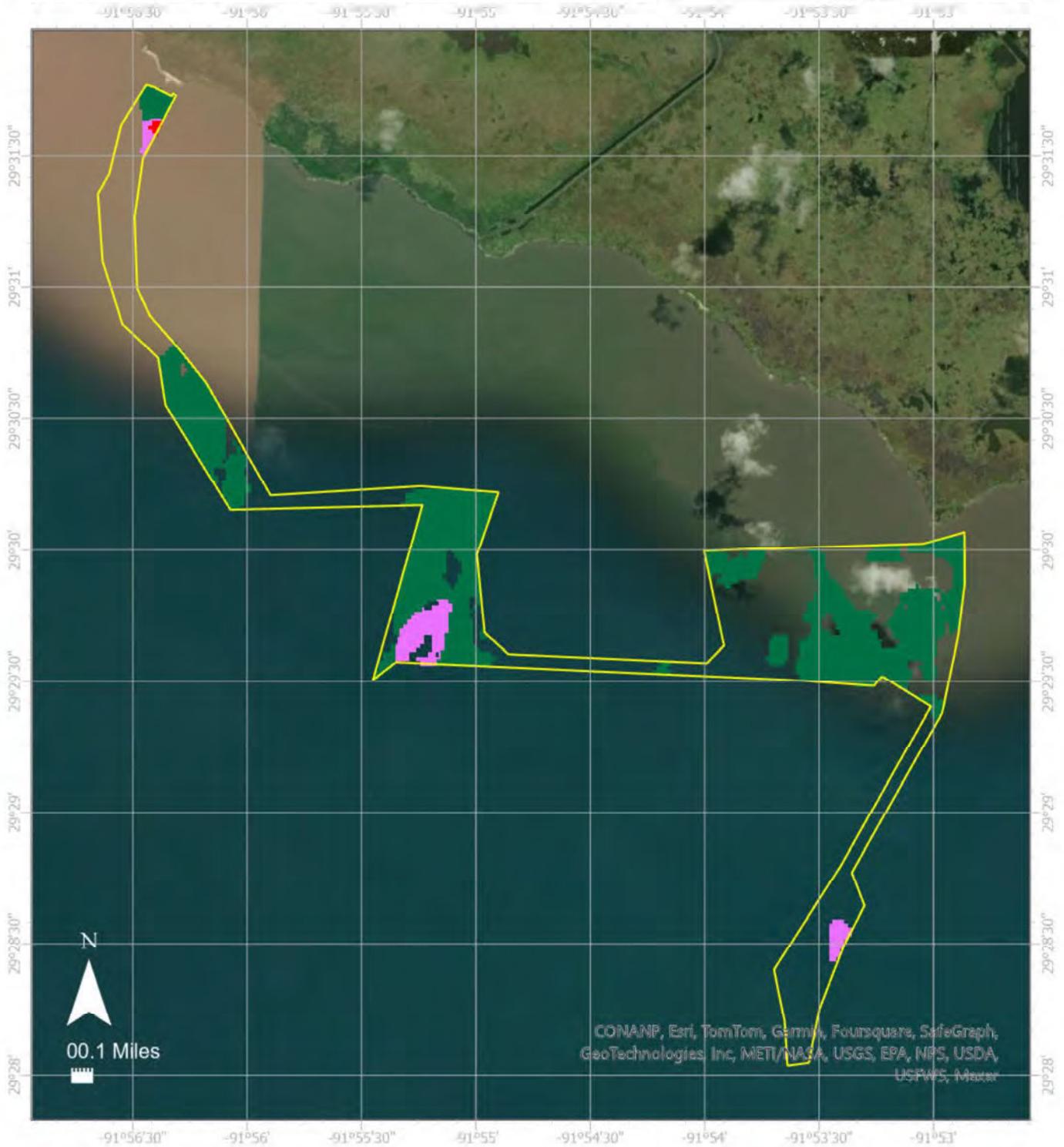




Lease Holder: GULF OYSTERS IV, INC.
 Lease Number: 2912218
 Latitude: 29.39852, Longitude -91.85282
 Location: GULF OF MEXICO
 Area: 481 acres

7.62 MT CO ₂ /acre/year - 58.81	
13.45 MT CO ₂ /acre/year - 121.94	
19.36 MT CO ₂ /acre/year - 185.14	
Lease Boundary	

CONANP, Esri, TomTom, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, MET/NASA, USGS, EPA, NPS, USDA, USFWS, Maxar



Lease Holder: GULF OYSTERS I, INC.
 Lease Number: 2914118
 Latitude: 29.49596, Longitude -91.89685
 Location: GULF OF MEXICO
 Area: 996 acres

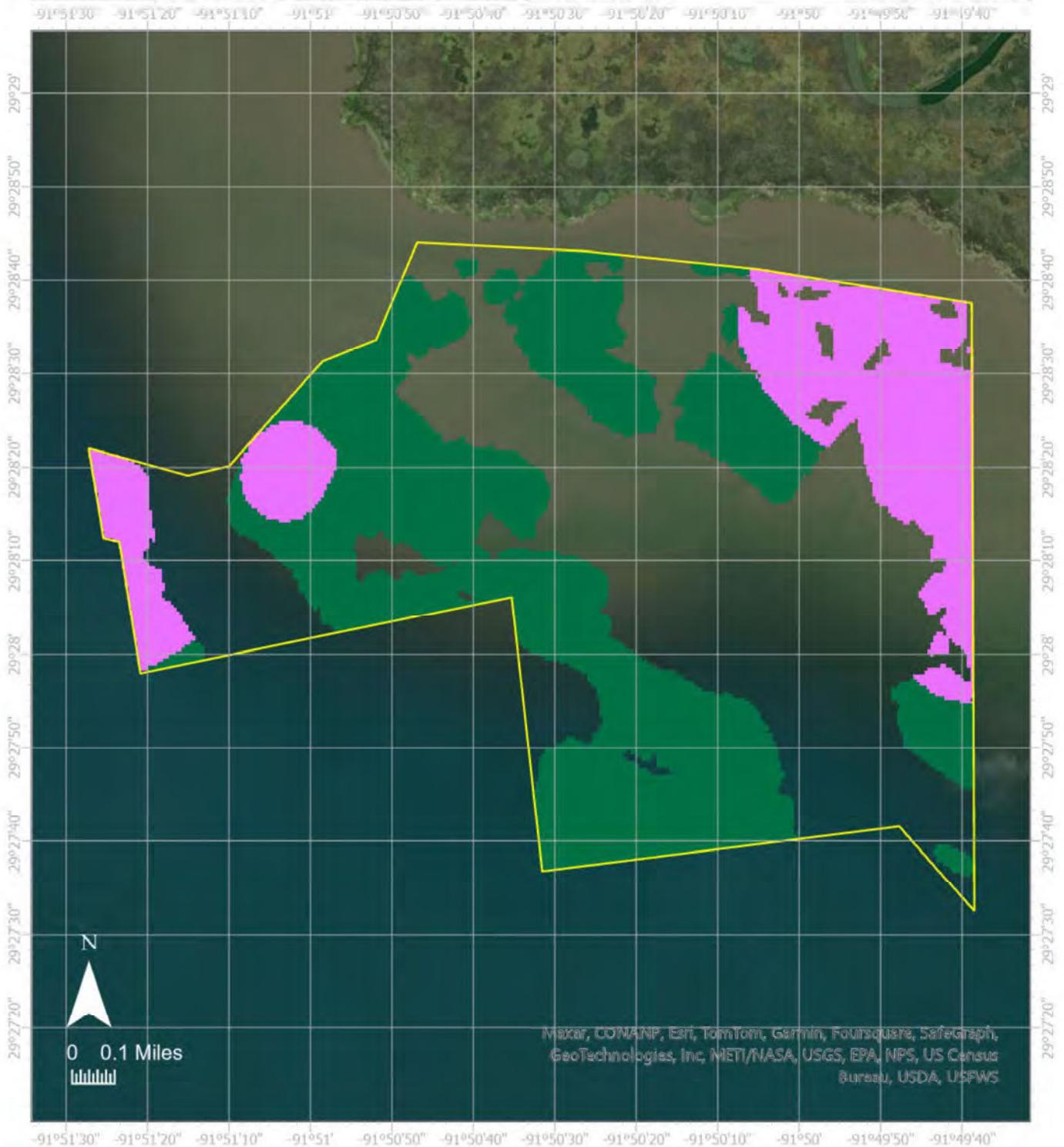
7.62 MT CO₂/acre/year – 2.37

13.45 MT CO₂/acre/year – 42.09

19.36 MT CO₂/acre/year – 414.73

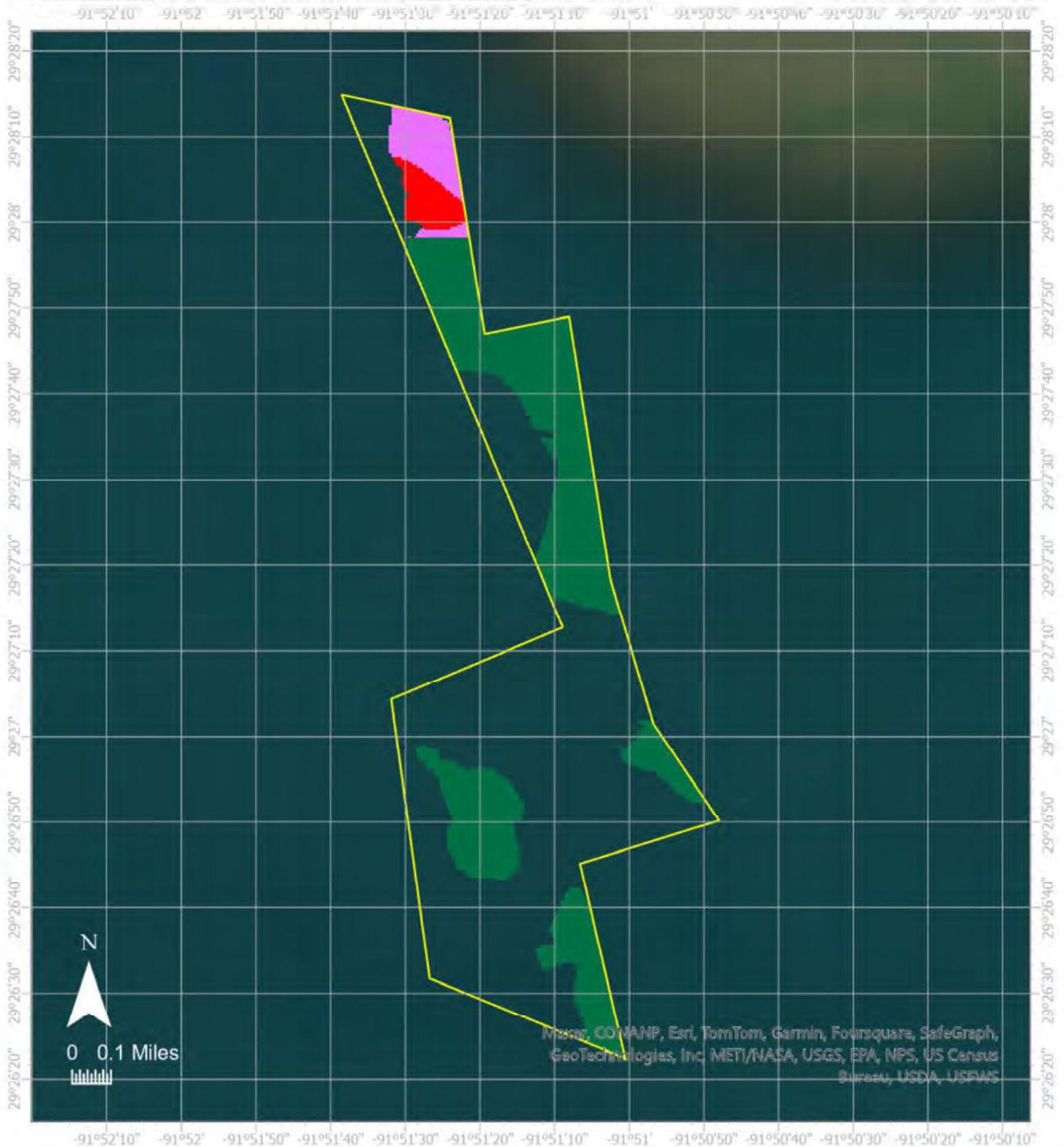
Lease Boundary





Lease Holder: GULF OYSTERS III, INC.
 Lease Number: 2914218
 Latitude: 29.47011, Longitude -91.83925
 Location: GULF OF MEXICO
 Area: 1,000 acres

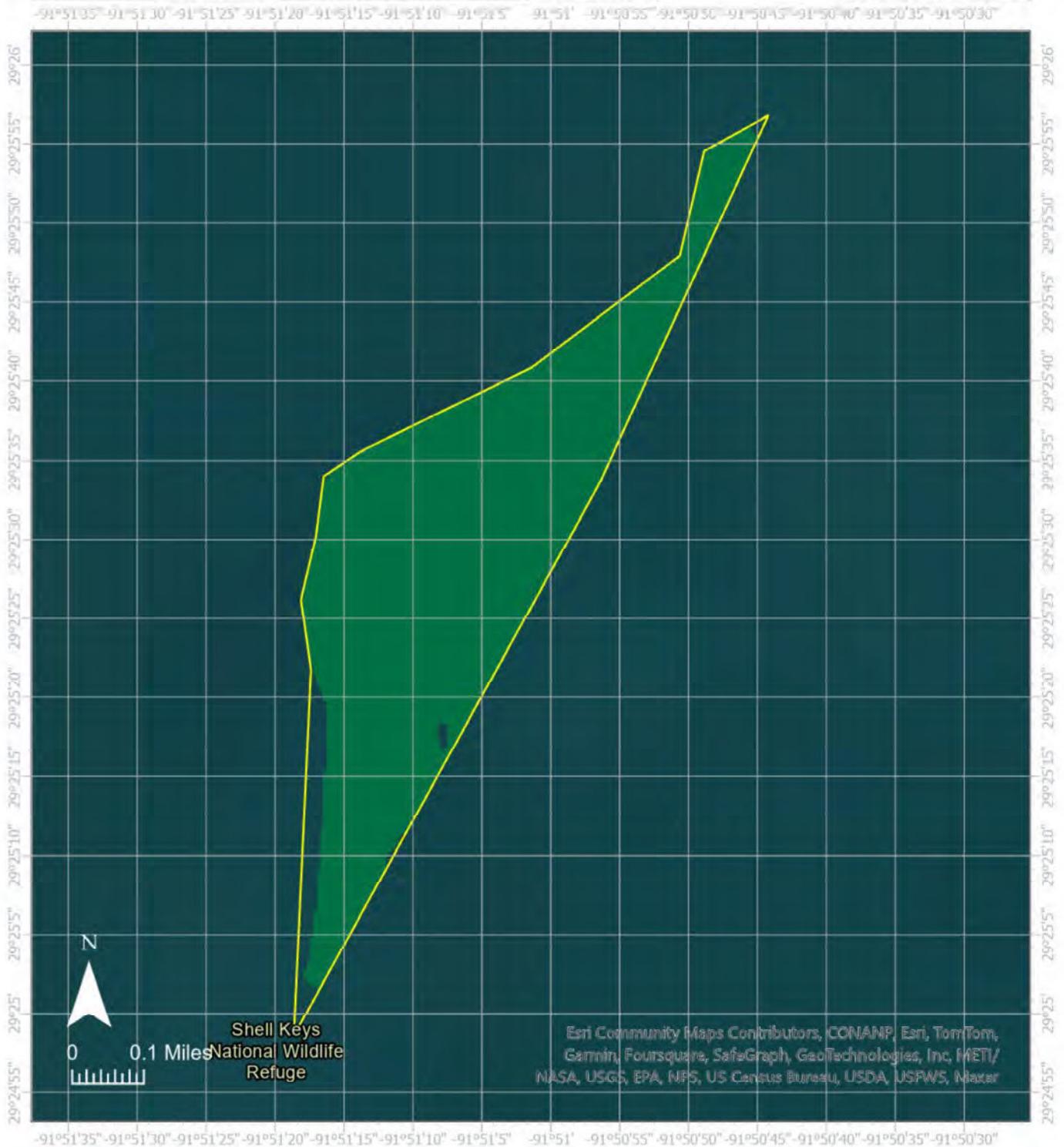
- 7.62 MT CO₂/acre/year – 0.06 ■
- 13.45 MT CO₂/acre/year – 166.80 ■
- 19.36 MT CO₂/acre/year – 367.32 ■
- Lease Boundary



Lease Holder: GULF OYSTERS III, INC.
 Lease Number: 2914318
 Latitude: 29.45252, Longitude -91.85400
 Location: GULF OF MEXICO
 Area: 408 acres

7.62 MT CO ₂ /acre/year – 9.98	
13.45 MT CO ₂ /acre/year – 13.88	
19.36 MT CO ₂ /acre/year – 130.39	
Lease Boundary	

Mapbox, COMANCP, Esri, TomTom, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS



Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 2914718
 Latitude: 29.42438, Longitude -91.85194
 Location: GULF OF MEXICO
 Area: 109 acres

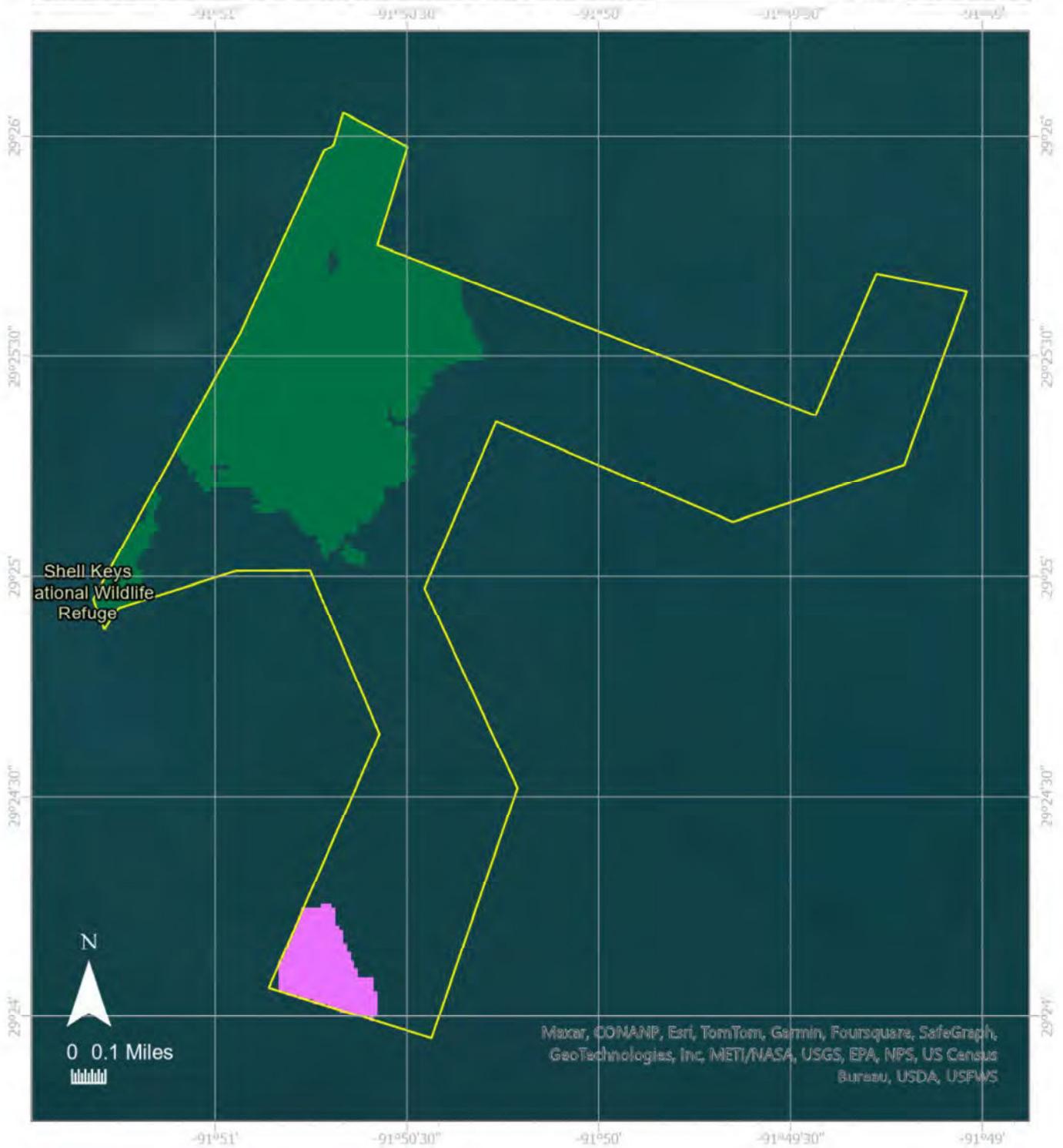
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year -

19.36 MT CO₂/acre/year - 102.20

Lease Boundary

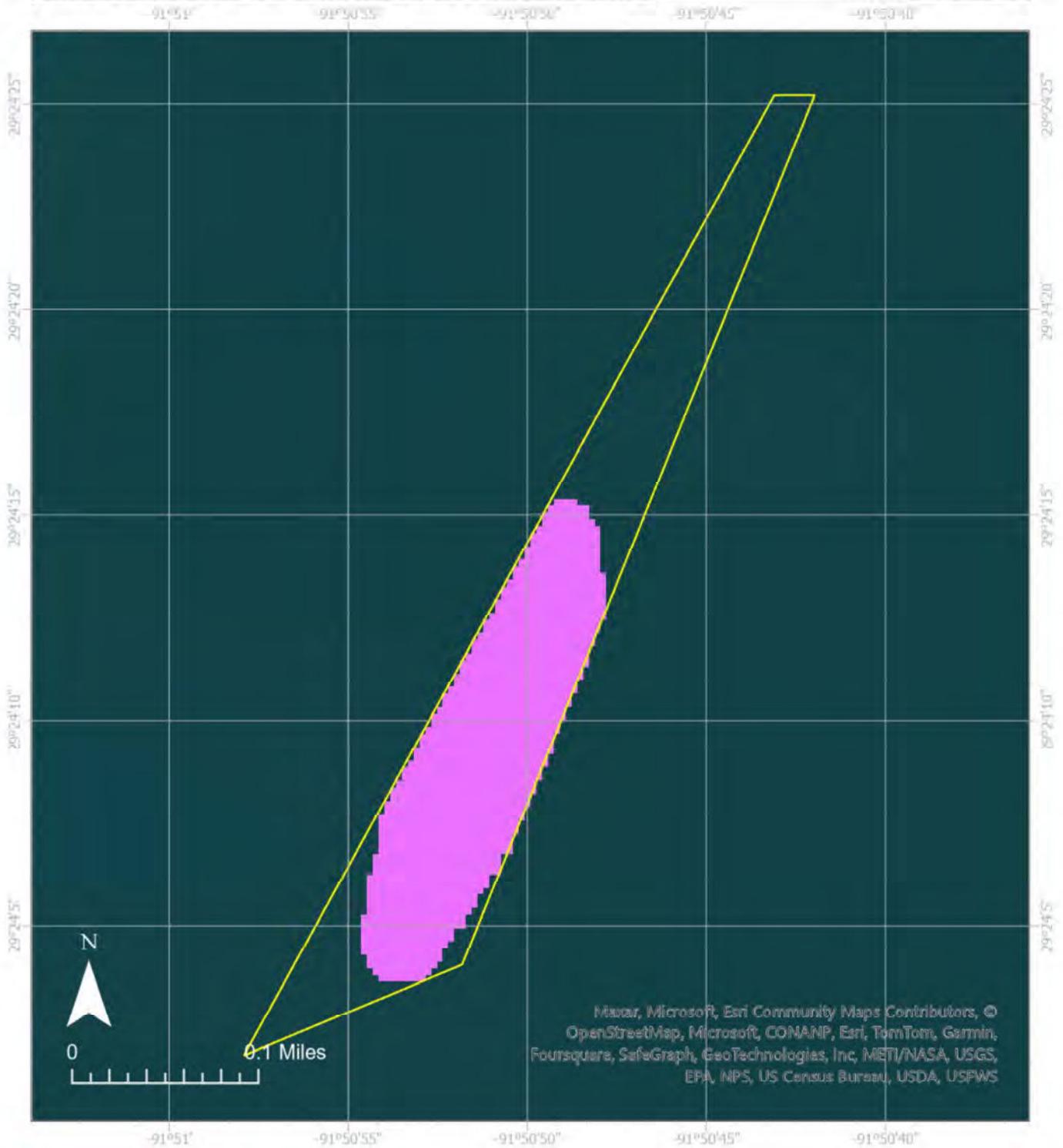




Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 2914818
 Latitude: 29.42447, Longitude -91.83632
 Location: GULF OF MEXICO
 Area: 994 acres

7.62 MT CO ₂ /acre/year	–	
13.45 MT CO ₂ /acre/year	– 29.42	
19.36 MT CO ₂ /acre/year	– 303.65	
		Lease Boundary

Maxar, CONANP, Esri, TomTom, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS



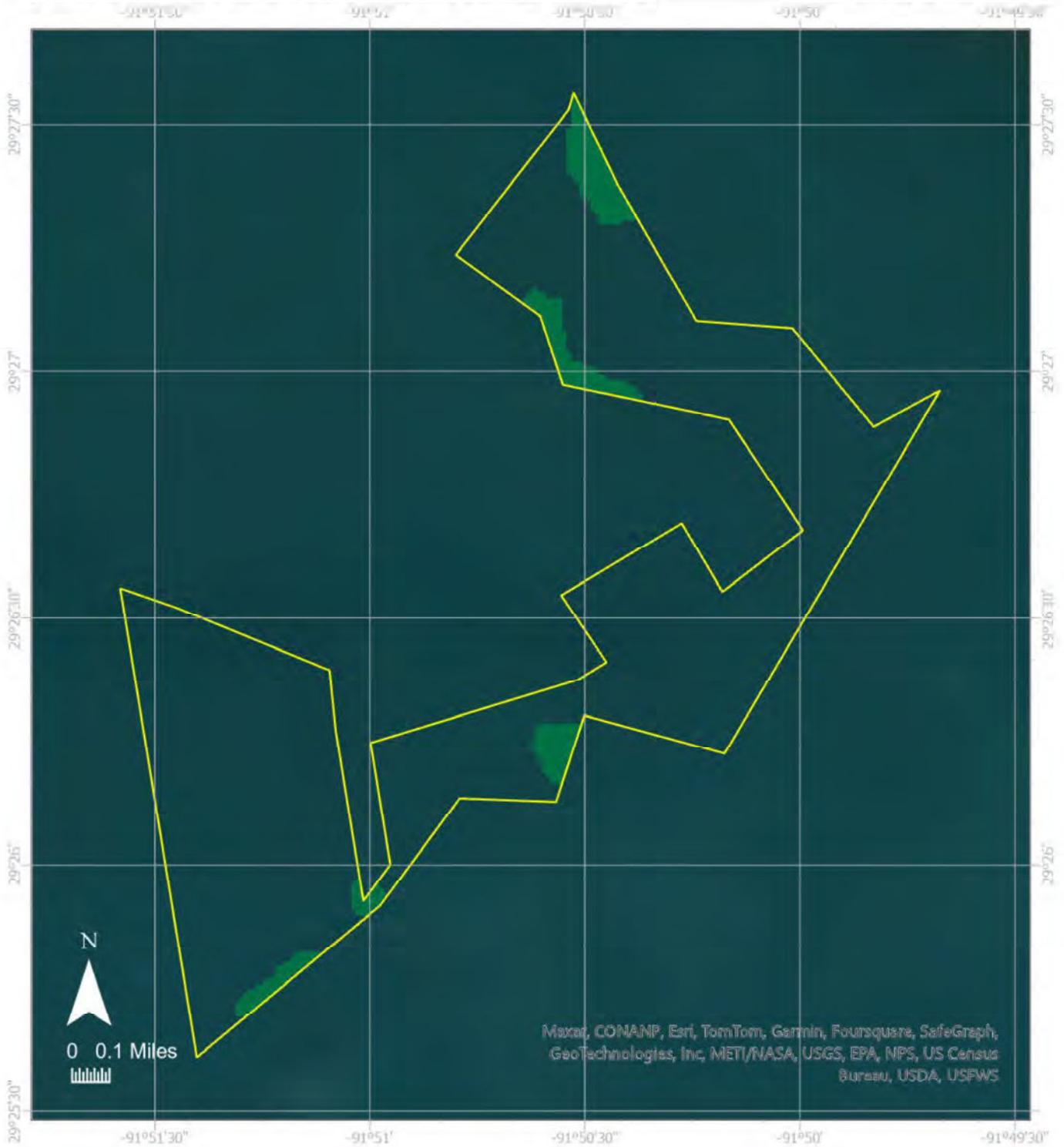
Lease Holder: GULF OYSTERS III, INC.
 Lease Number: 2924118
 Latitude: 29.40327, Longitude -91.84722
 Location: GULF OF MEXICO EAST OF SHELL KEYS
 Area: 14 acres

7.62 MT CO2/acre/year -

13.45 MT CO2/acre/year - 7.42

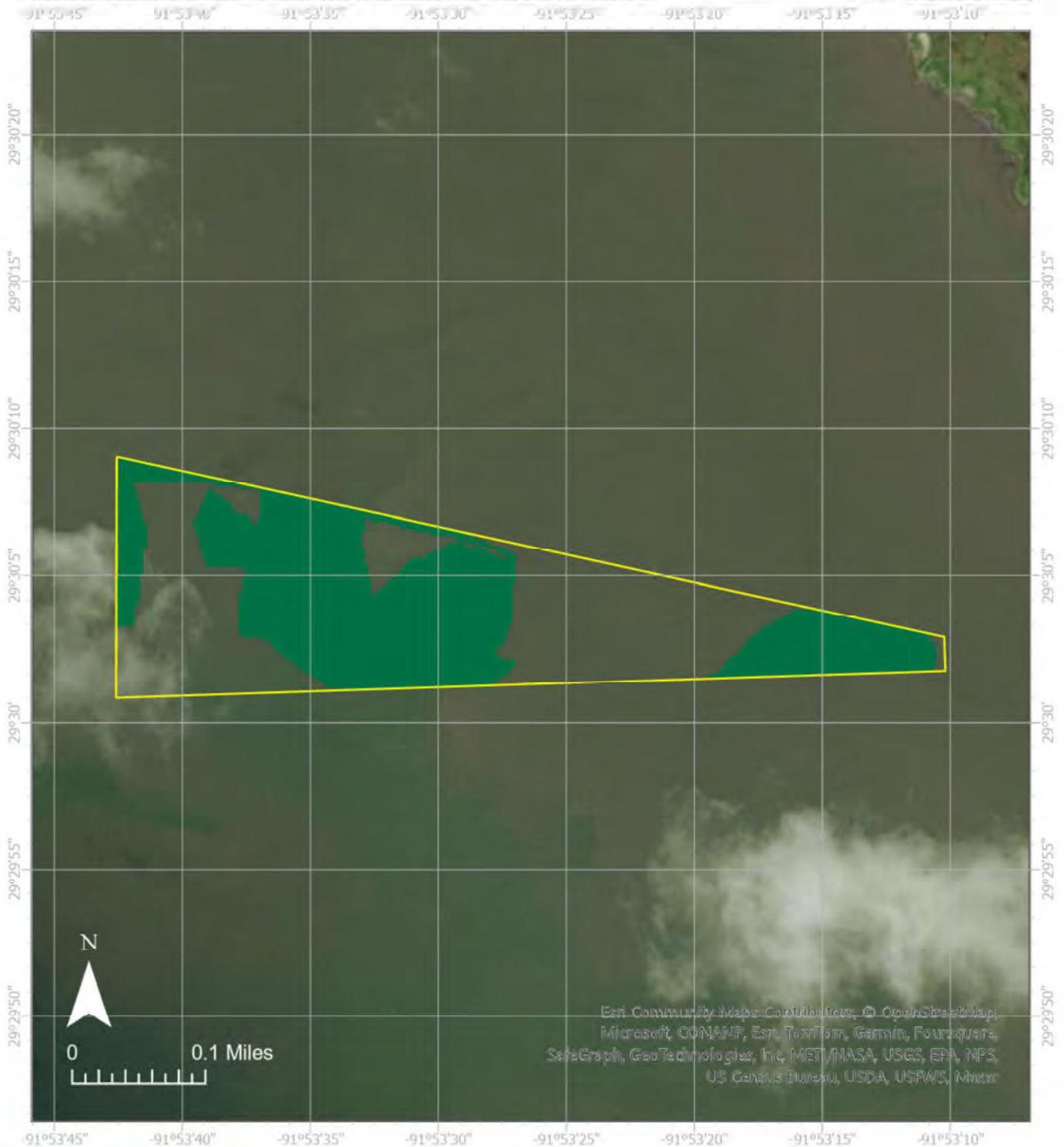
19.36 MT CO2/acre/year -





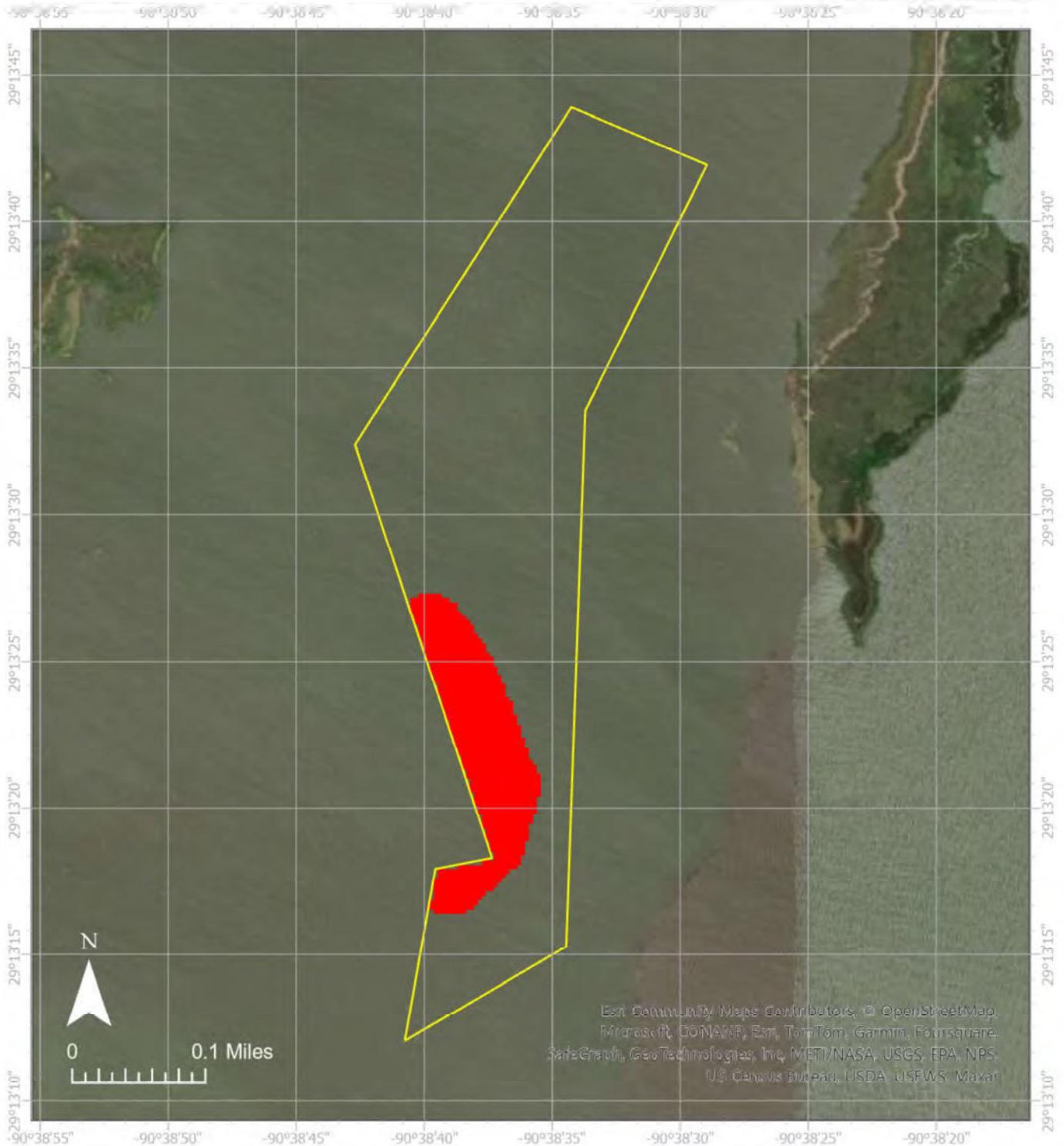
Lease Holder: GULF OYSTERS IV, INC.
 Lease Number: 2924318
 Latitude: 29.43729, Longitude -91.84379
 Location: GULF OF MEXICO NORTHEAST OF SHELL KEYS
 Area: 674 acres

- 7.62 MT CO₂/acre/year –
- 13.45 MT CO₂/acre/year –
- 19.36 MT CO₂/acre/year – 39.83
- Lease Boundary



Lease Holder: GULF OYSTERS I, INC.
 Lease Number: 2924418
 Latitude: 29.50110, Longitude -91.89180
 Location: GULF OF MEXICO EAST OF DIAMOND REEF
 Area: 32 acres

7.62 MT CO ₂ /acre/year	-	
13.45 MT CO ₂ /acre/year	-	
19.36 MT CO ₂ /acre/year	- 16.00	
Lease Boundary		



Lease Holder: OYSTER EAGLE 6, LLC
 Lease Number: 2936513
 Latitude: 29.22491, Longitude -90.64346
 Location: EAST BAYOU AND BAY WELSH
 Area: 39 acres

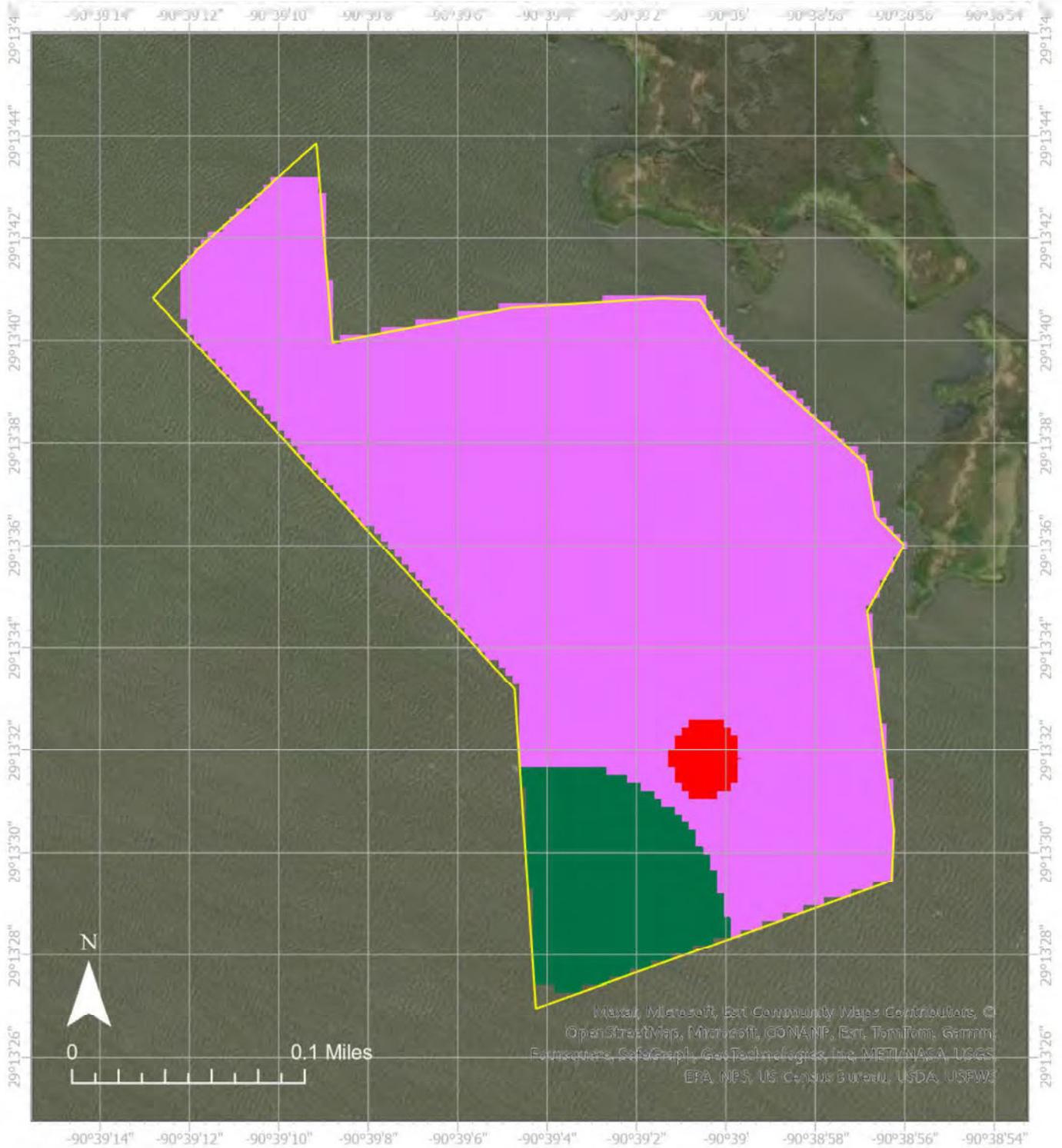
7.62 MT CO₂/acre/year – 5.16

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: OYSTER EAGLE 10, LLC
 Lease Number: 2936813
 Latitude: 29.22648, Longitude -90.65078
 Location: BAY LONG
 Area: 27 acres

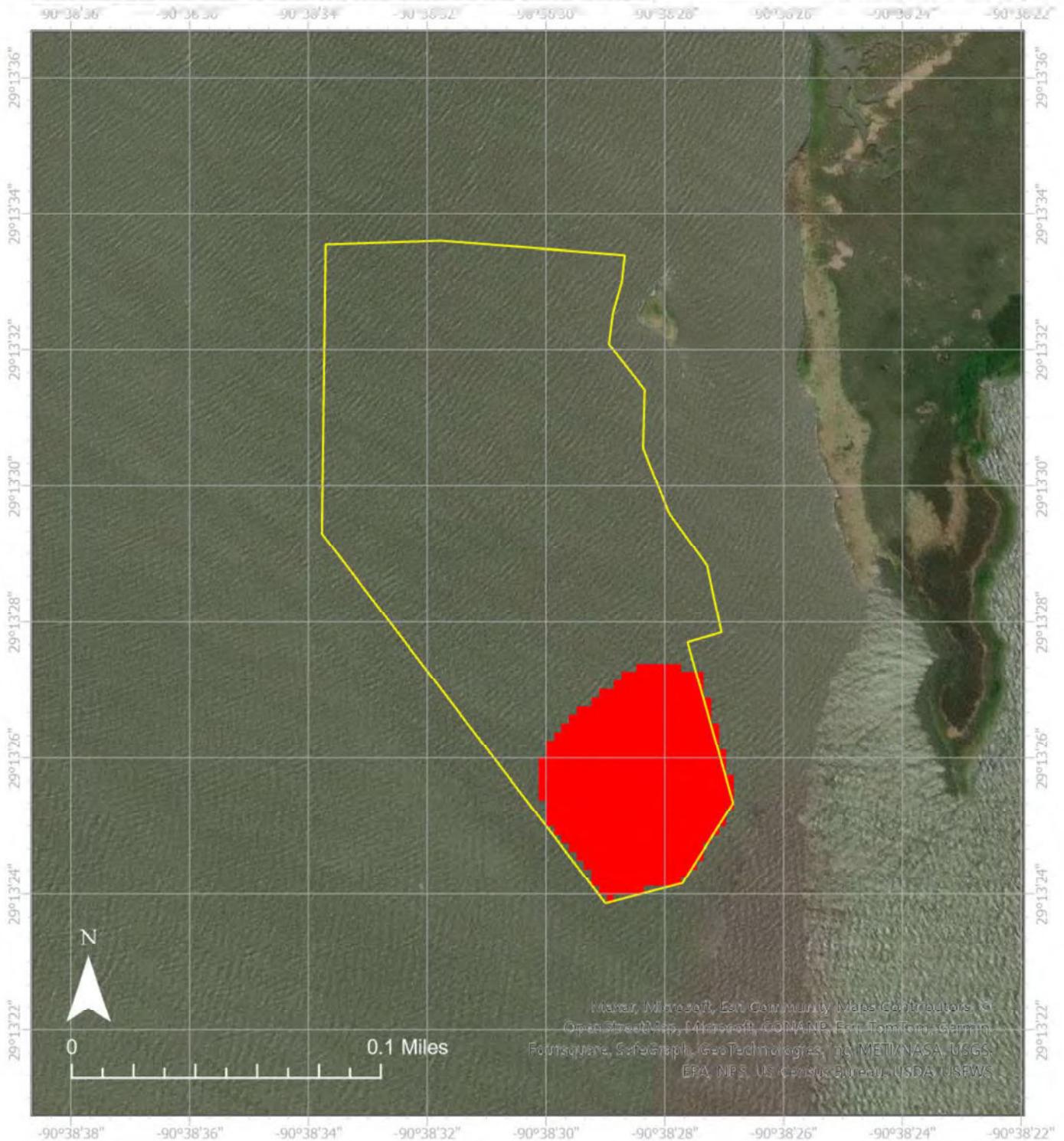
7.62 MT CO₂/acre/year – 0.49

13.45 MT CO₂/acre/year – 22.96

19.36 MT CO₂/acre/year – 2.95

Lease Boundary





Lease Holder: OYSTER EAGLE 10, LLC
 Lease Number: 2940518
 Latitude: 29.22479, Longitude -90.64176
 Location: BAY WELSH
 Area: 10 acres

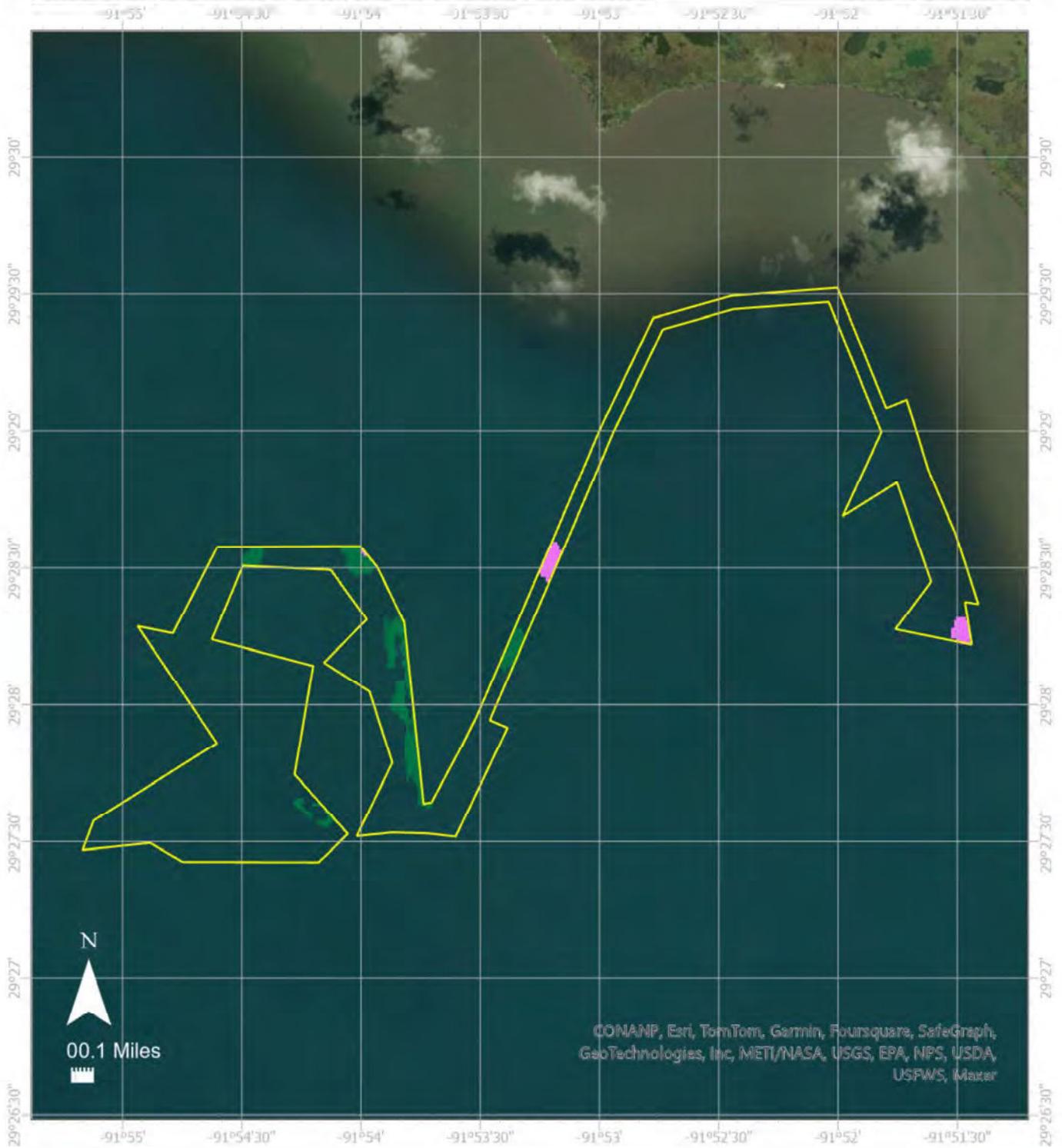
7.62 MT CO₂/acre/year – 1.66

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: GULF OYSTERS II, INC.
 Lease Number: 2955018
 Latitude: 29.45934, Longitude -91.90381
 Location: GULF OF MEXICO
 Area: 875 acres

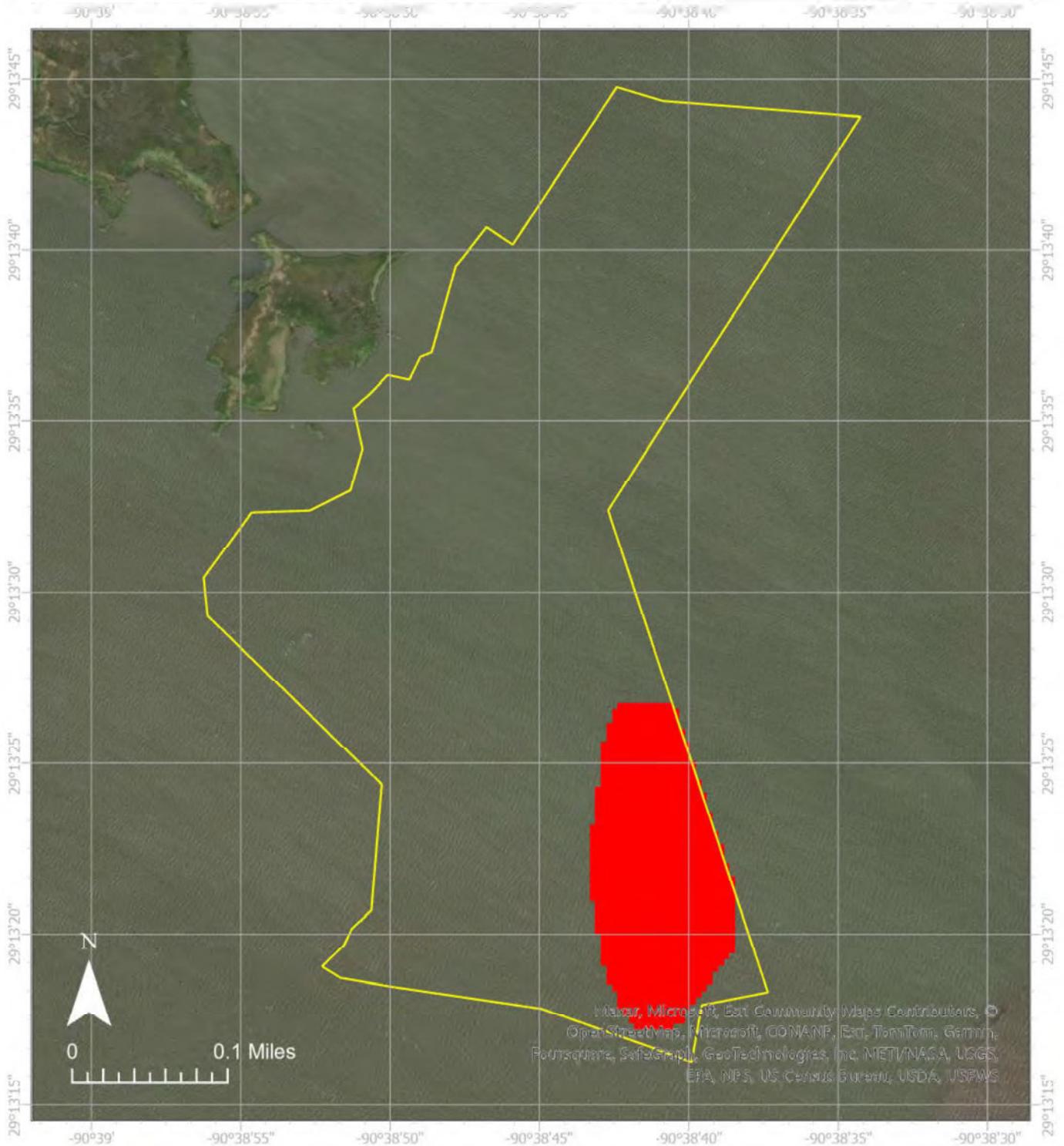
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year - 10.49

19.36 MT CO₂/acre/year - 46.51

Lease Boundary





Lease Holder: JPG PREMIUM OYSTERS, LLC
 Lease Number: 2960513
 Latitude: 29.22501, Longitude -90.64587
 Location: EAST BAYOU AND BAY WELCH
 Area: 62 acres

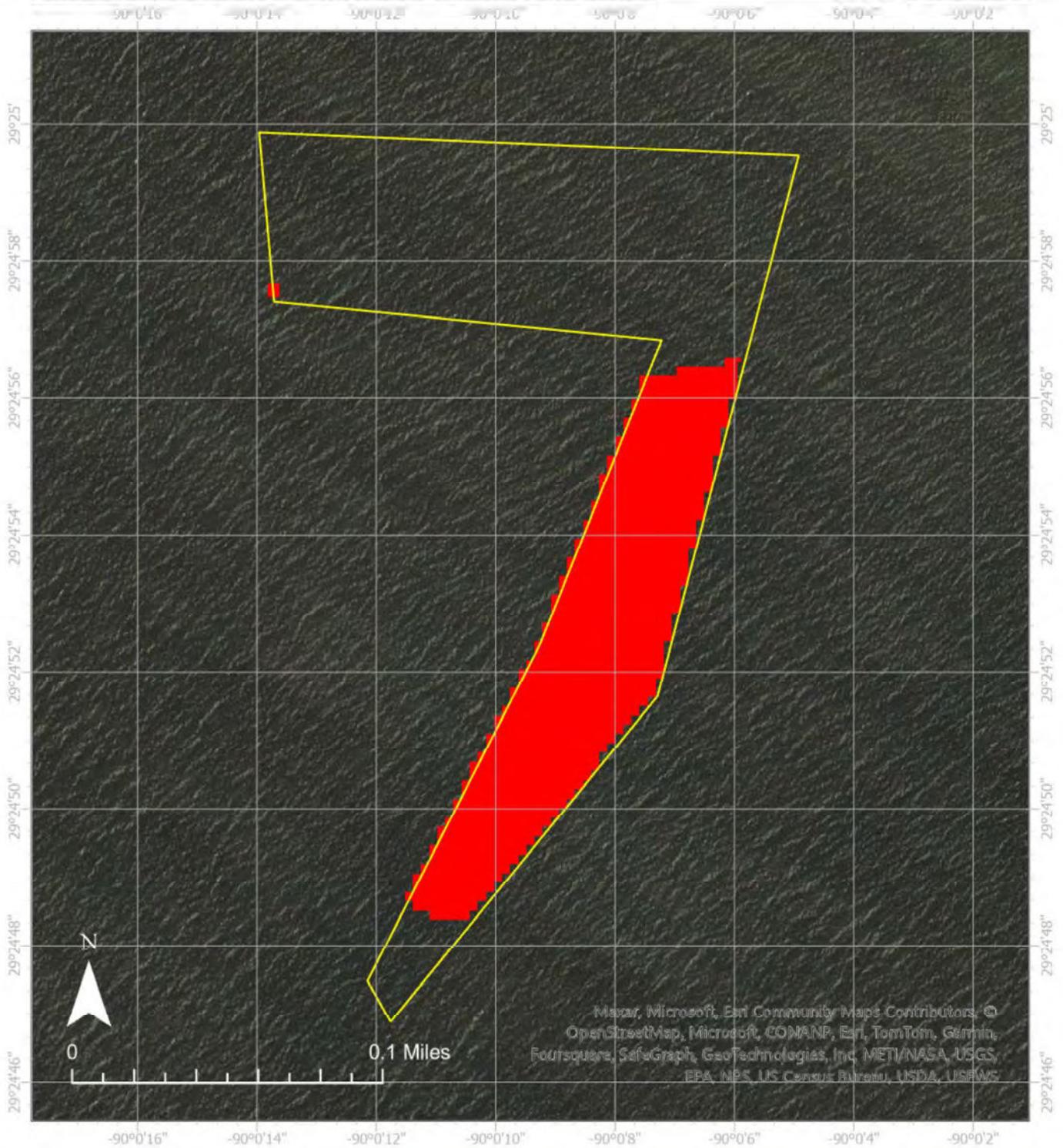
7.62 MT CO₂/acre/year – 7.12

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 2970922
 Latitude: 29.41409, Longitude -90.00262
 Location: BAYOU CHOLAS
 Area: 9 acres

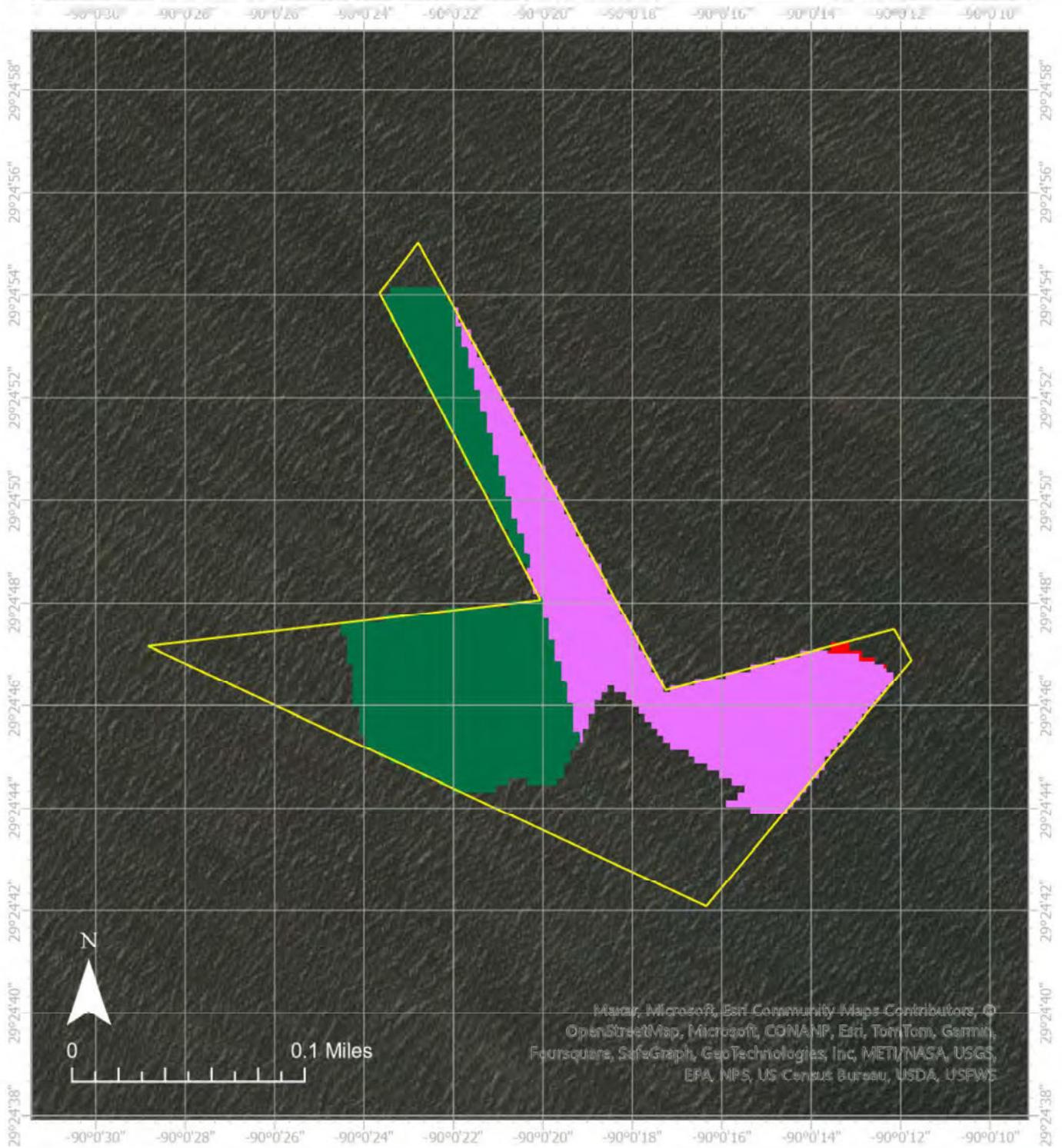
7.62 MT CO₂/acre/year – 3.08

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 2971022
 Latitude: 29.41295, Longitude -90.00545
 Location: BAYOU CHOLAS
 Area: 12 acres

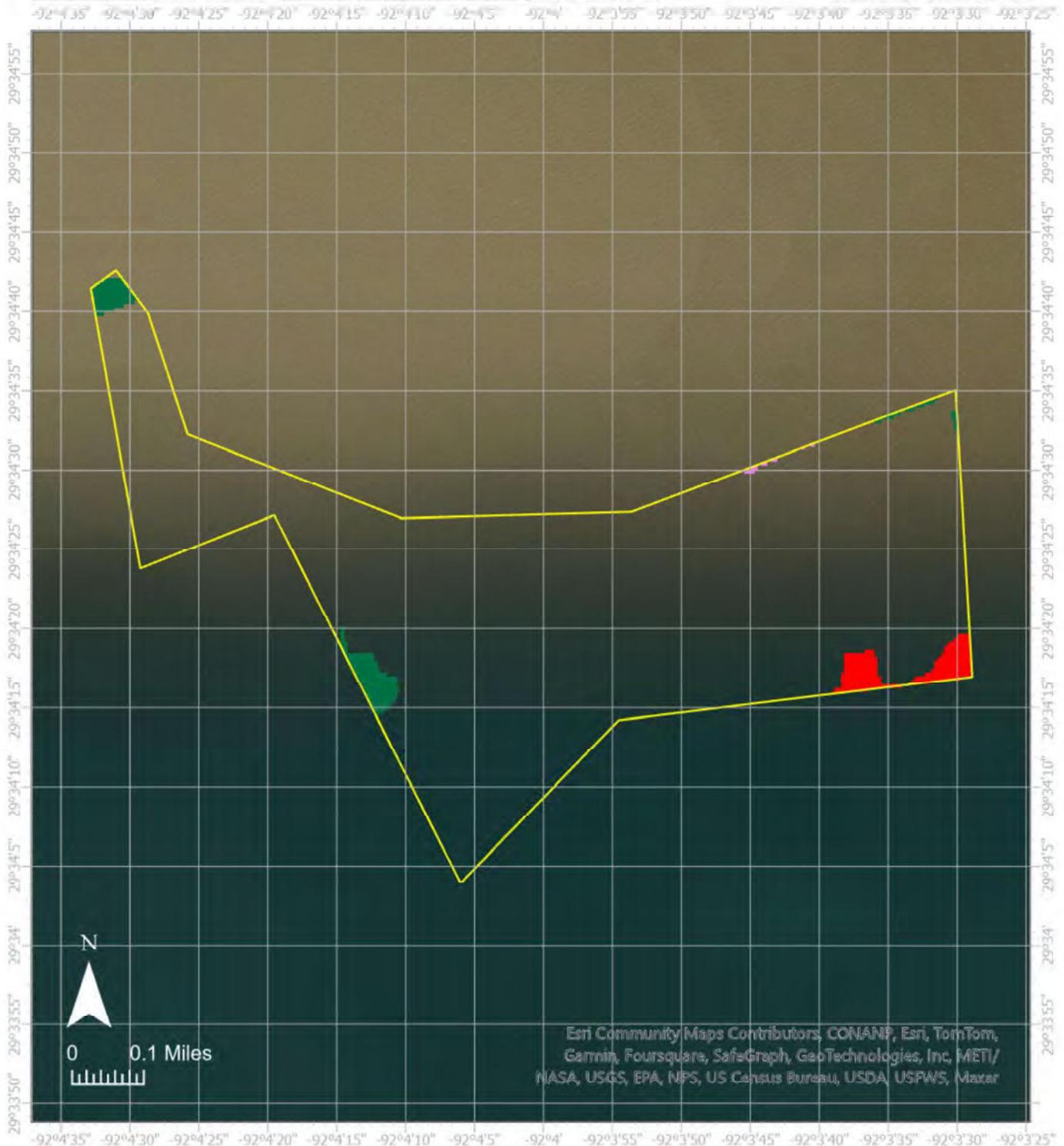
7.62 MT CO₂/acre/year – 0.05

13.45 MT CO₂/acre/year – 4.07

19.36 MT CO₂/acre/year – 3.92

Lease Boundary





Lease Holder: MISHO'S QUALITY OYSTERS, L.L.C.
 Lease Number: 2980819
 Latitude: 29.57291, Longitude -92.06592
 Location: GULF OF MEXICO SOUTH OF SOUTHWEST PASS
 Area: 180 acres

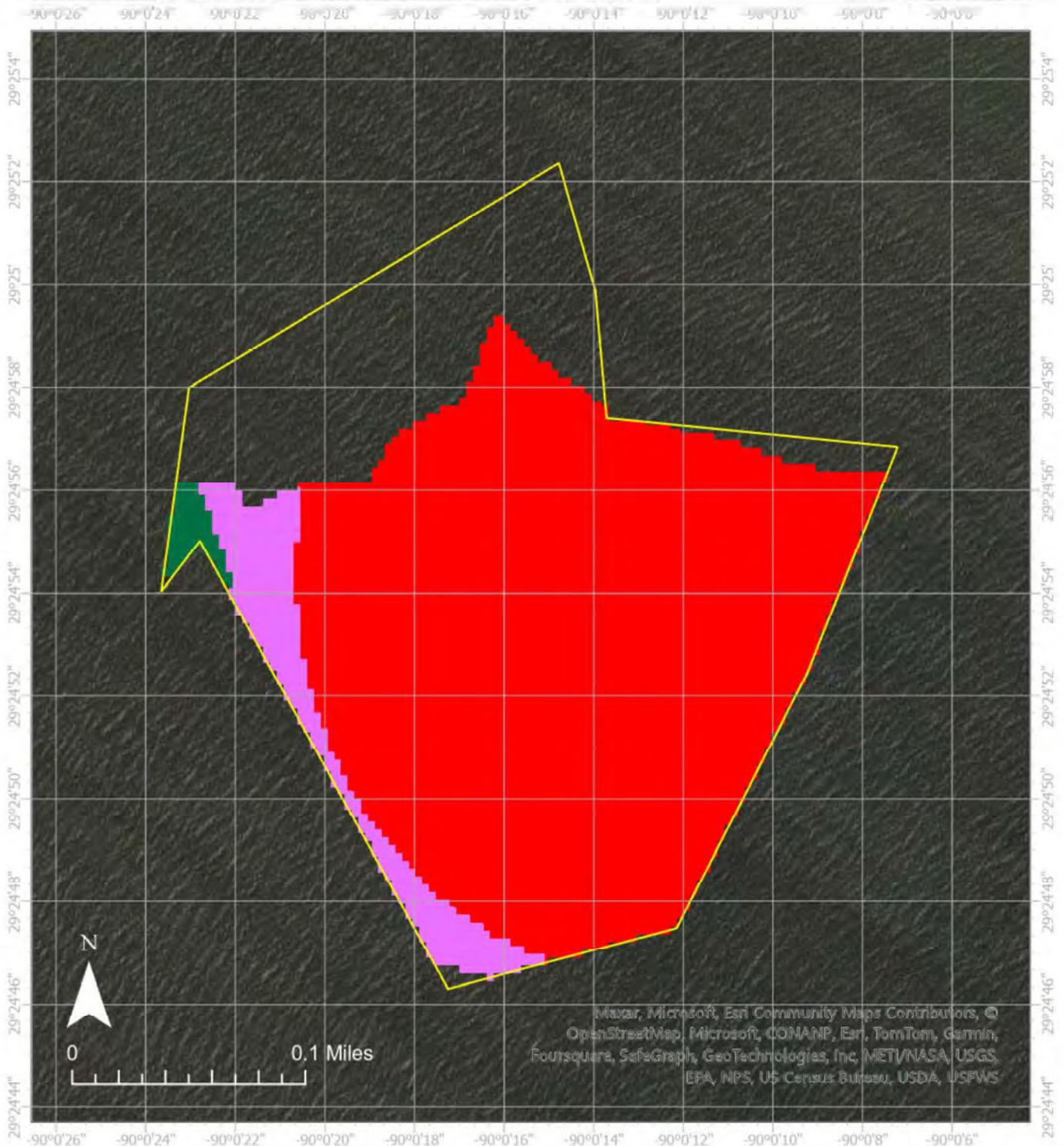
7.62 MT CO₂/acre/year – 2.82

13.45 MT CO₂/acre/year – 0.13

19.36 MT CO₂/acre/year – 3.18

Lease Boundary





Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 2998022
 Latitude: 29.41503, Longitude -90.00438
 Location: BAYOU CHOLAS
 Area: 30 acres

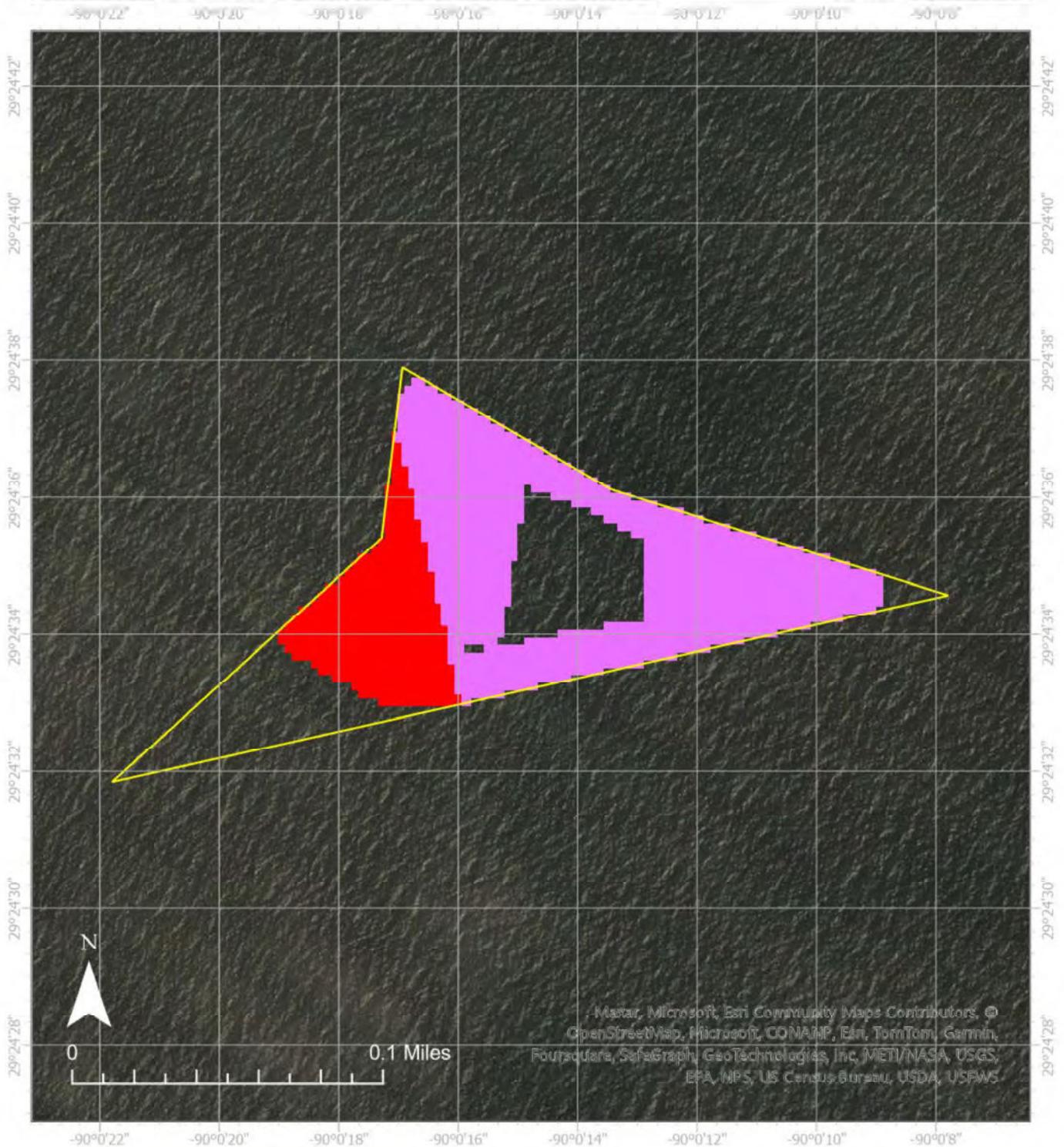
7.62 MT CO₂/acre/year – 20.89

13.45 MT CO₂/acre/year – 1.81

19.36 MT CO₂/acre/year – 0.27

Lease Boundary





Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 2998222
 Latitude: 29.40961, Longitude -90.00422
 Location: BAYOU CHOLAS
 Area: 6 acres

7.62 MT CO₂/acre/year – 1.15

13.45 MT CO₂/acre/year – 2.99

19.36 MT CO₂/acre/year –

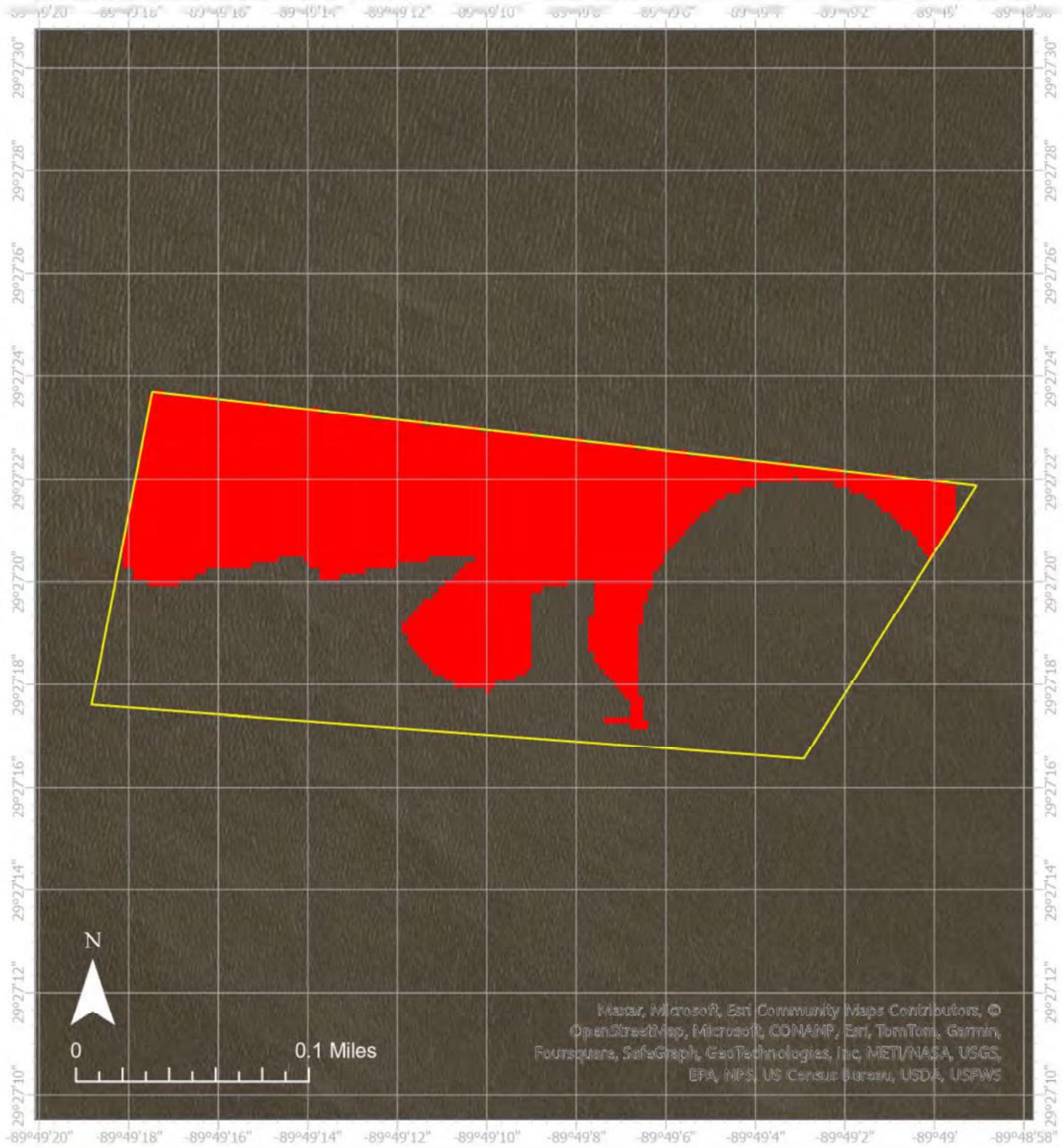
Lease Boundary





Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 3007419
 Latitude: 29.49502, Longitude -91.85371
 Location: GULF OF MEXICO WEST OF MOUND POINT
 Area: 151 acres

- 7.62 MT CO₂/acre/year –
- 13.45 MT CO₂/acre/year – 2.49
- 19.36 MT CO₂/acre/year – 37.08
- Lease Boundary



Lease Holder: PETER VUJNOVICH, JR. & FRANK VUJNOVICH
 Lease Number: 3010911
 Latitude: 29.45556, Longitude -89.81935
 Location: BAY BATISTE
 Area: 21 acres

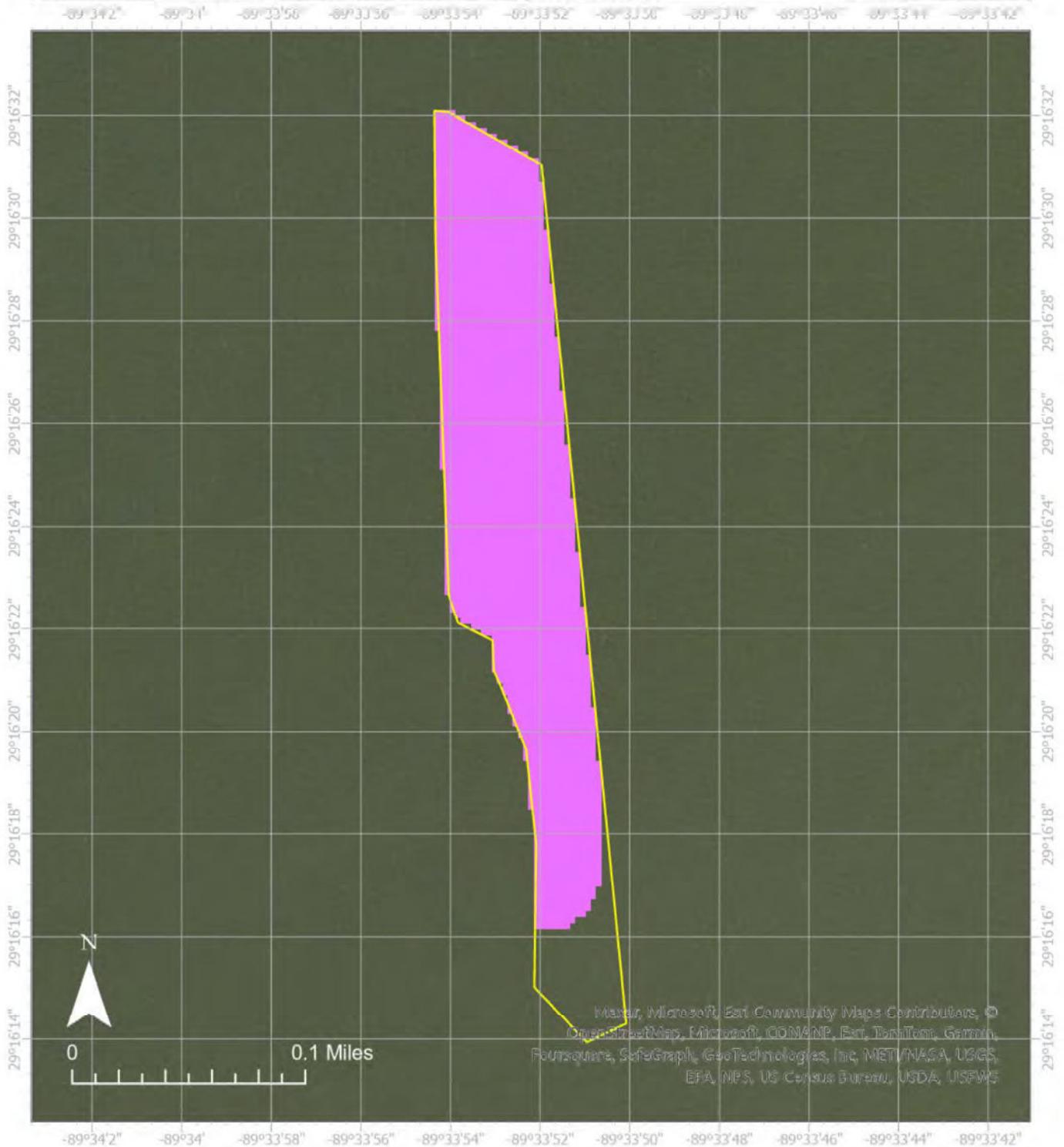
7.62 MT CO₂/acre/year – 9.63
 13.45 MT CO₂/acre/year –
 19.36 MT CO₂/acre/year –





Lease Holder: OYSTER EAGLE 8, LLC
 Lease Number: 3081020
 Latitude: 29.33489, Longitude -90.64887
 Location: ROBINSON CANAL
 Area: 36 acres

- 7.62 MT CO₂/acre/year –
- 13.45 MT CO₂/acre/year – 1.47
- 19.36 MT CO₂/acre/year – 13.63
- Lease Boundary



Lease Holder: FRANK J. JURISICH
 Lease Number: 3095420
 Latitude: 29.27324, Longitude -89.56454
 Location: SCOFIELD BAY
 Area: 9 acres

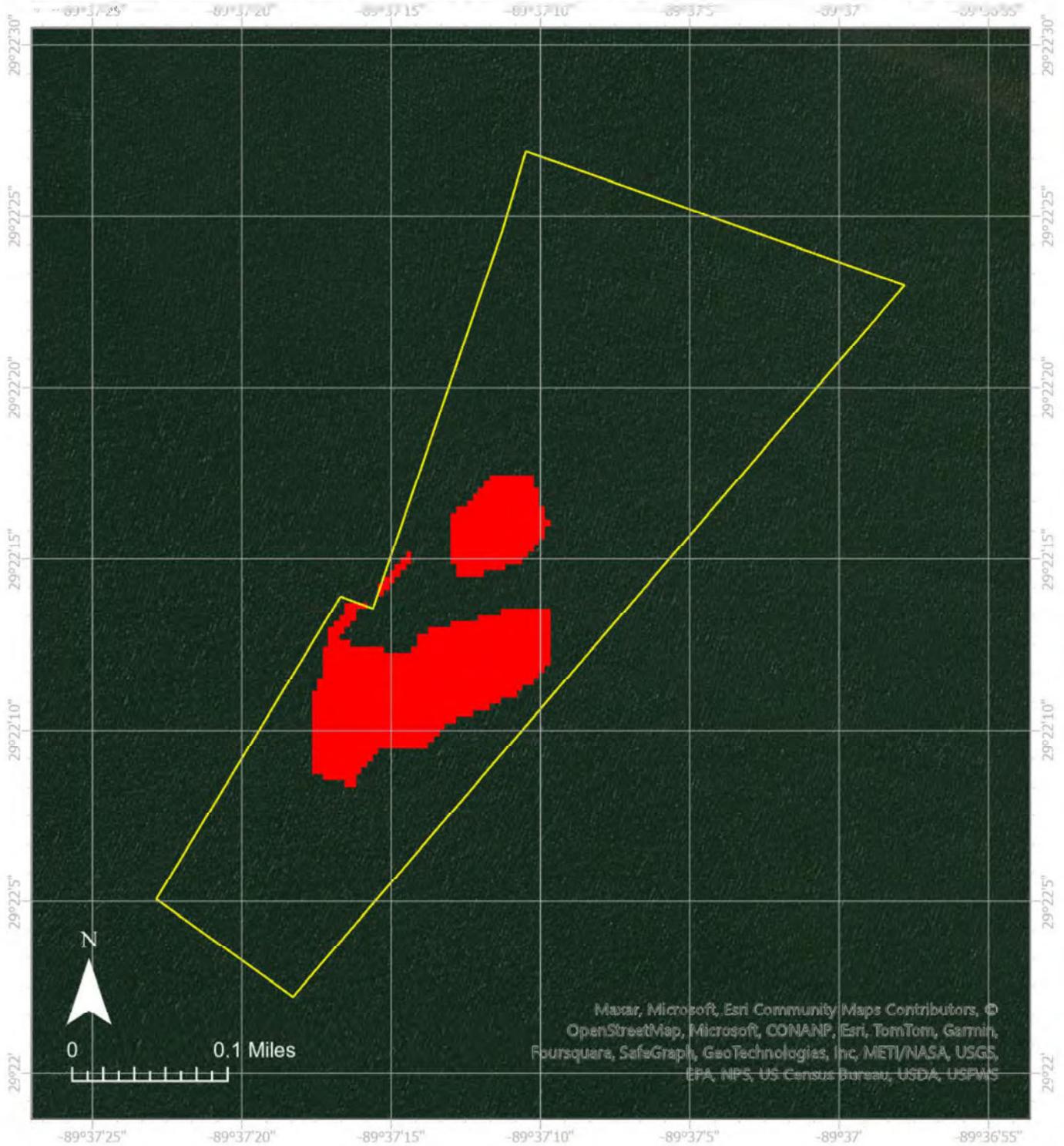
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year - 7.37

19.36 MT CO₂/acre/year -

Lease Boundary





Lease Holder: GULF OYSTERS II, INC.
 Lease Number: 3104720
 Latitude: 29.37100, Longitude -89.61966
 Location: ADAMS BAY
 Area: 45 acres

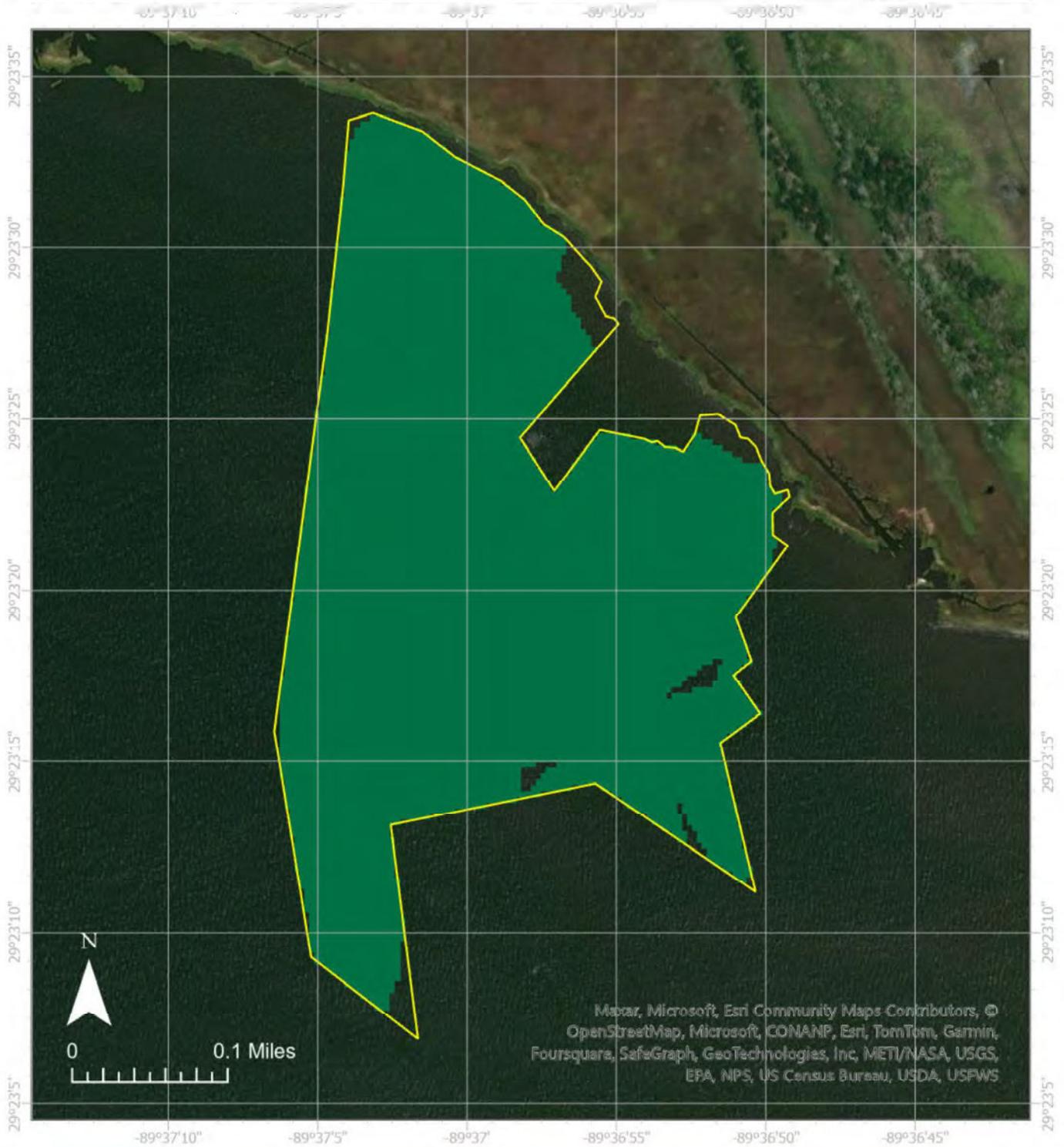
7.62 MT CO₂/acre/year – 6.52

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: KUZMA I. TESVICH, JR.
 Lease Number: 3119220
 Latitude: 29.38912, Longitude -89.61643
 Location: ADAMS BAY
 Area: 52 acres

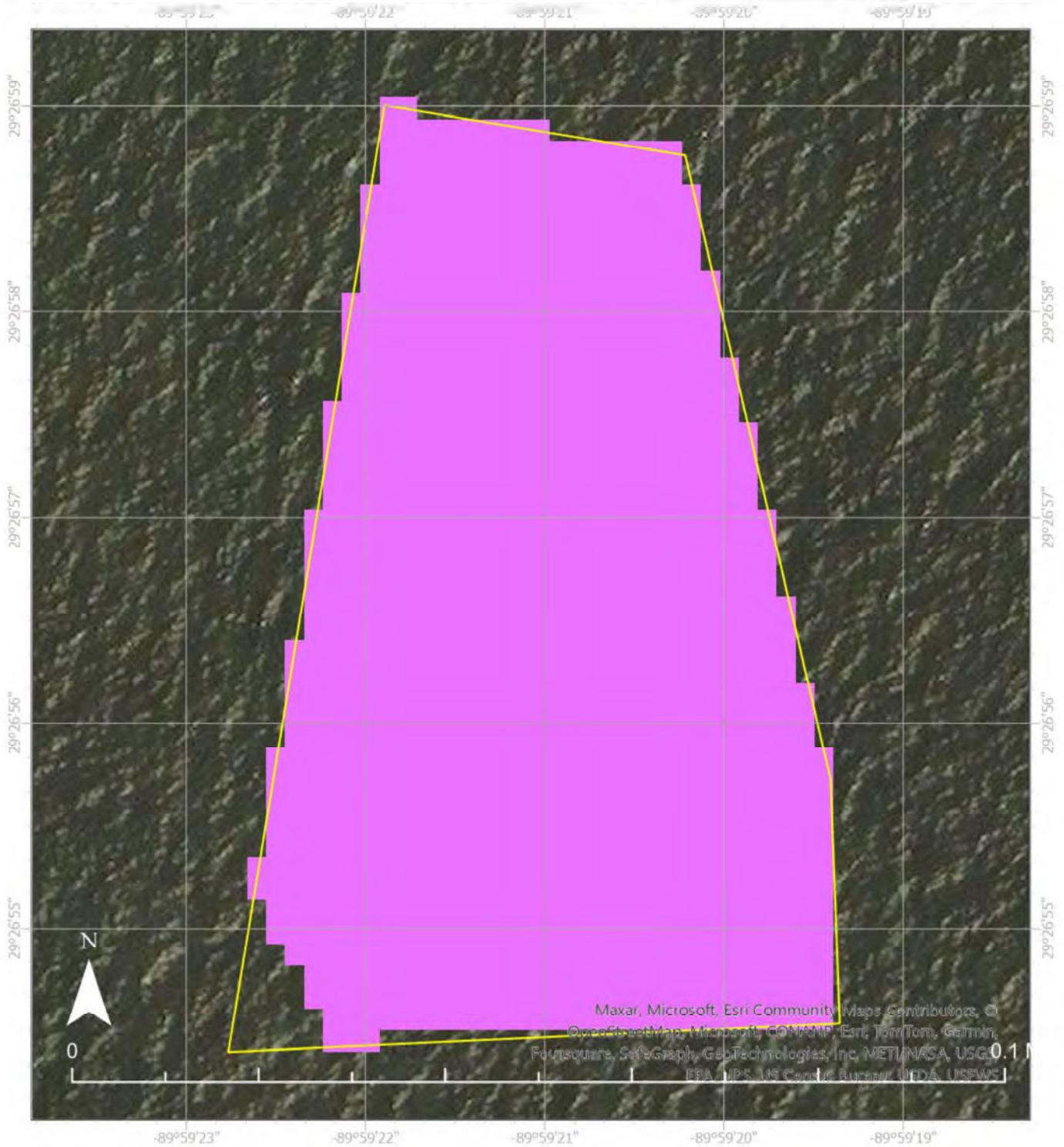
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year -

19.36 MT CO₂/acre/year - 50.10

Lease Boundary





Lease Holder: BOZIDAR CIBILIC & BOZIDAR J. CIBILIC
 Lease Number: 3128022
 Latitude: 29.44901, Longitude -89.98917
 Location: BARATARIA BAY
 Area: 3 acres

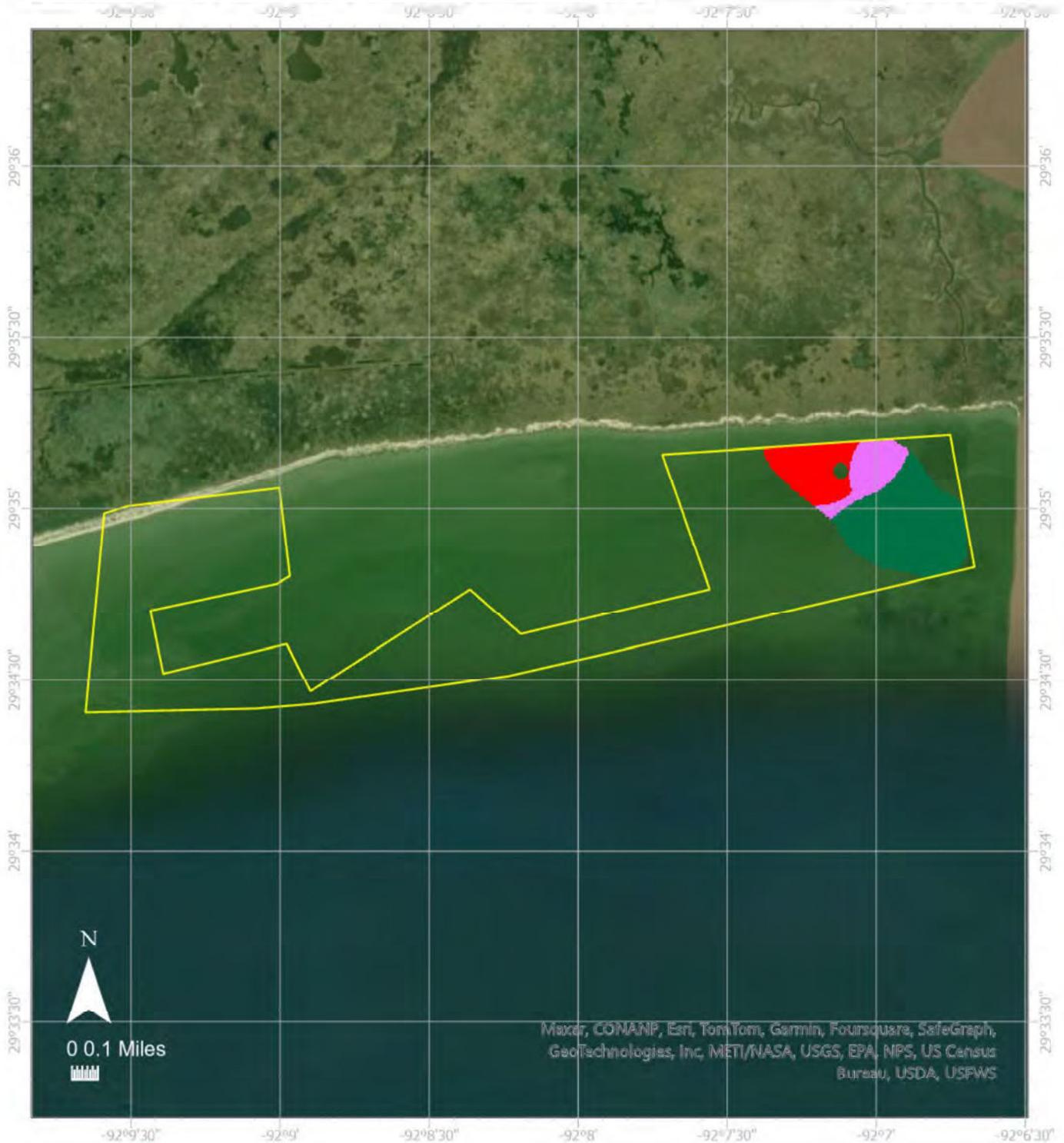
7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year – 2.34

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: GULF OYSTERS I, INC.
 Lease Number: 3131120
 Latitude: 29.58211, Longitude -92.12360
 Location: GULF OF MEXICO WEST OF SOUTHWEST PASS. Portion
 of lease acquired by CPRA
 Area: 687 acres

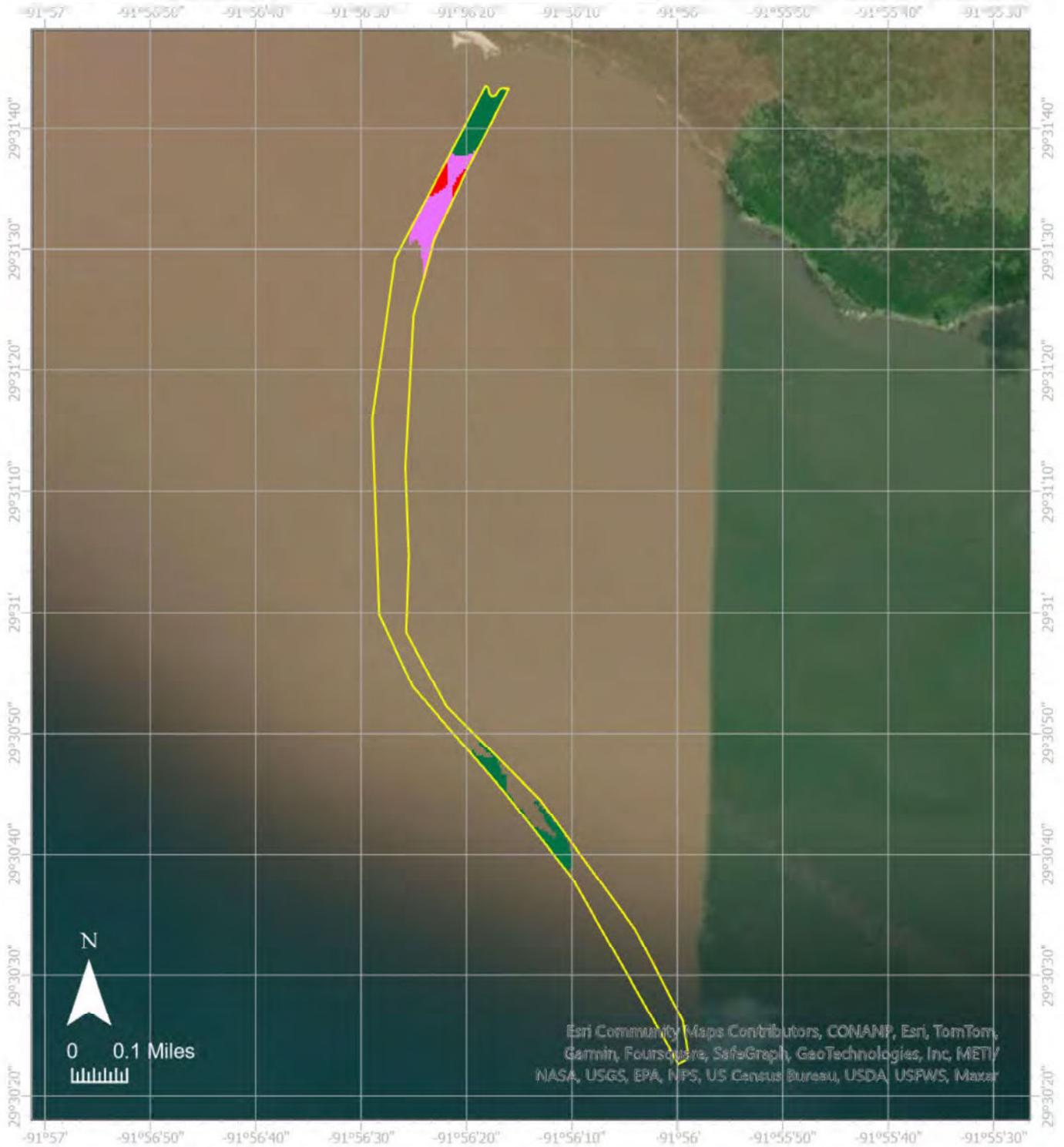
7.62 MT CO ₂ /acre/year – 28.33	
13.45 MT CO ₂ /acre/year – 20.83	
19.36 MT CO ₂ /acre/year – 73.15	
Lease Boundary	



Lease Holder: BAYOU CANARD, INC.
 Lease Number: 3131420
 Latitude: 29.32526, Longitude -89.59327
 Location: A BAY EAST OF BAYOU LONG AND WEST OF BAYOU TORTILLON
 Area: 29 acres

7.62 MT CO ₂ /acre/year – 13.26	
13.45 MT CO ₂ /acre/year – 9.12	
19.36 MT CO ₂ /acre/year –	
Lease Boundary	

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 OpenStreetMap, Microsoft, COMANF, Esri, TomTom, Garmin,
 Fourqurean, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS,
 EPA, NPS, US Census Bureau, USDA, USFWS



Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 3135420
 Latitude: 29.51219, Longitude -91.93720
 Location: GULF OF MEXICO
 Area: 44 acres

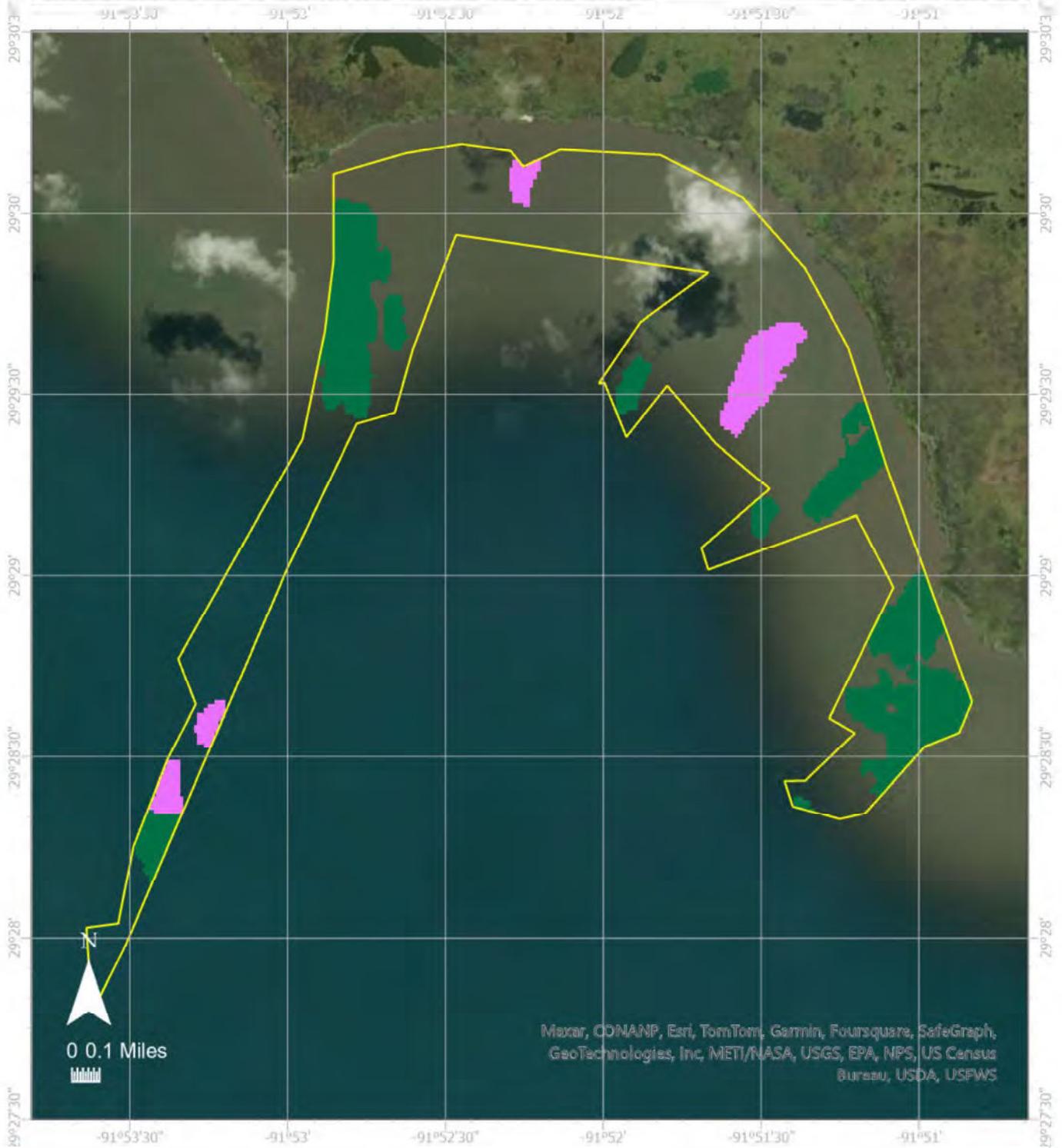
7.62 MT CO₂/acre/year – 0.93

13.45 MT CO₂/acre/year – 3.28

19.36 MT CO₂/acre/year – 4.97

Lease Boundary





Lease Holder: GULF OYSTERS II, INC.
 Lease Number: 3136921
 Latitude: 29.50038, Longitude -91.87058
 Location: GULF OF MEXICO
 Area: 1,000 acres

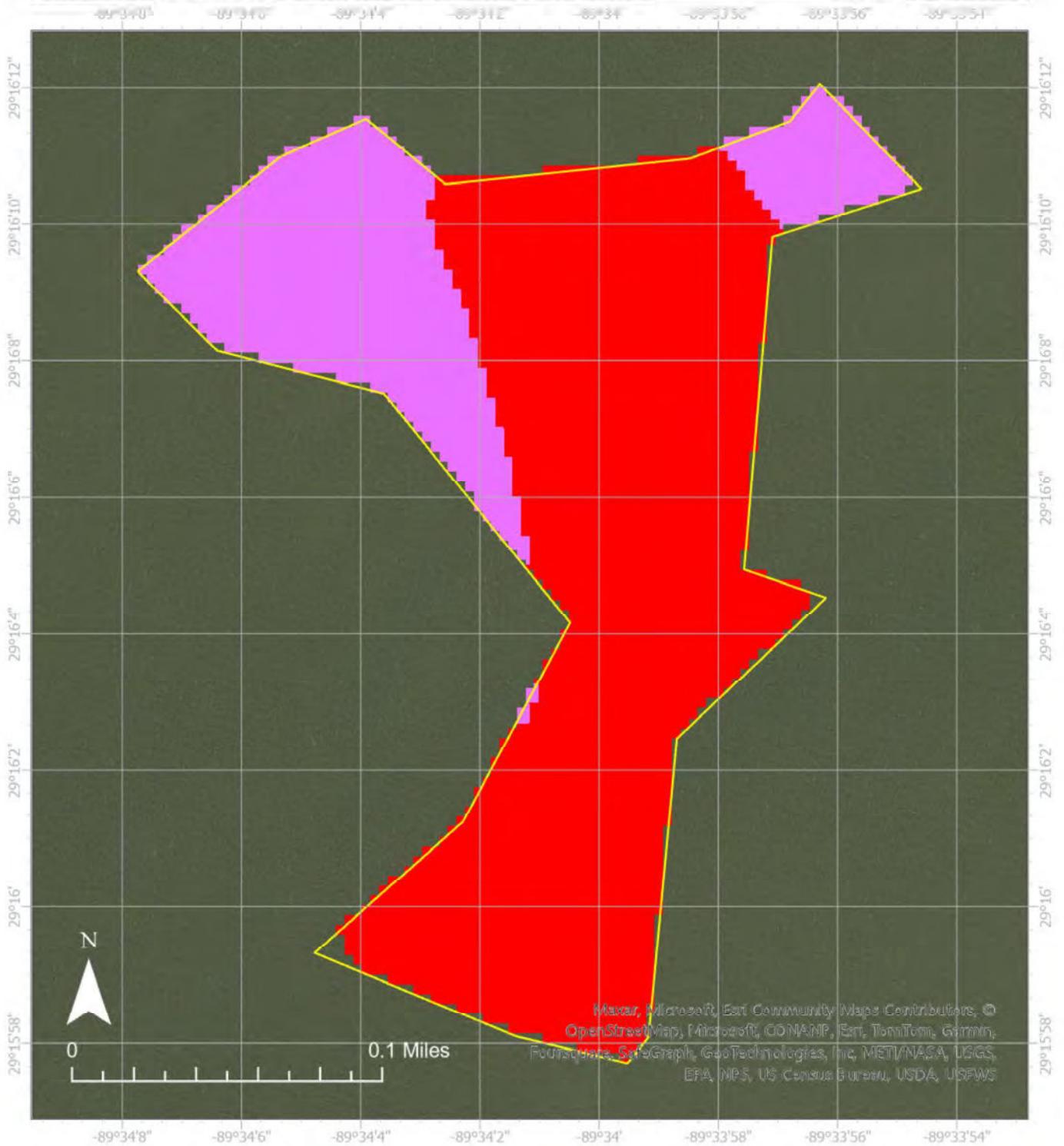
7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year – 50.96

19.36 MT CO₂/acre/year – 205.97

Lease Boundary

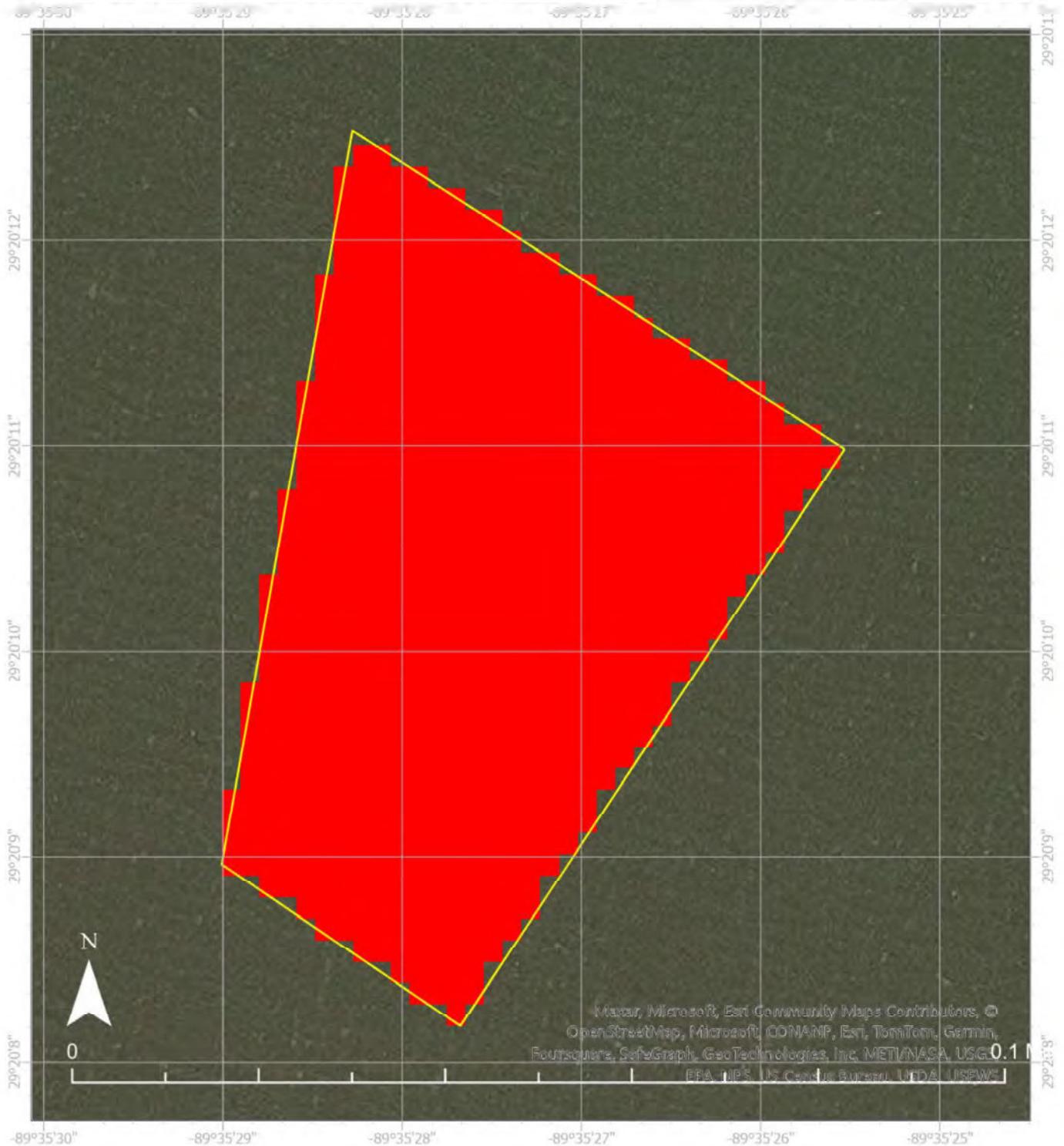




Lease Holder: LITTLE FRANK, INC.
 Lease Number: 3137221
 Latitude: 29.26833, Longitude -89.56688
 Location: SUNKEN MARSH WEST OF SCOFIELD BAY
 Area: 16 acres

7.62 MT CO ₂ /acre/year – 11.19	
13.45 MT CO ₂ /acre/year – 4.08	
19.36 MT CO ₂ /acre/year –	
Lease Boundary	

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Lease Holder: FRANK J. JURISICH
 Lease Number: 3150421
 Latitude: 29.33621, Longitude -89.59098
 Location: A BAY EAST OF BAYOU LONG AND SOUTH OF DRAKES BAY
 Area: 2 acres

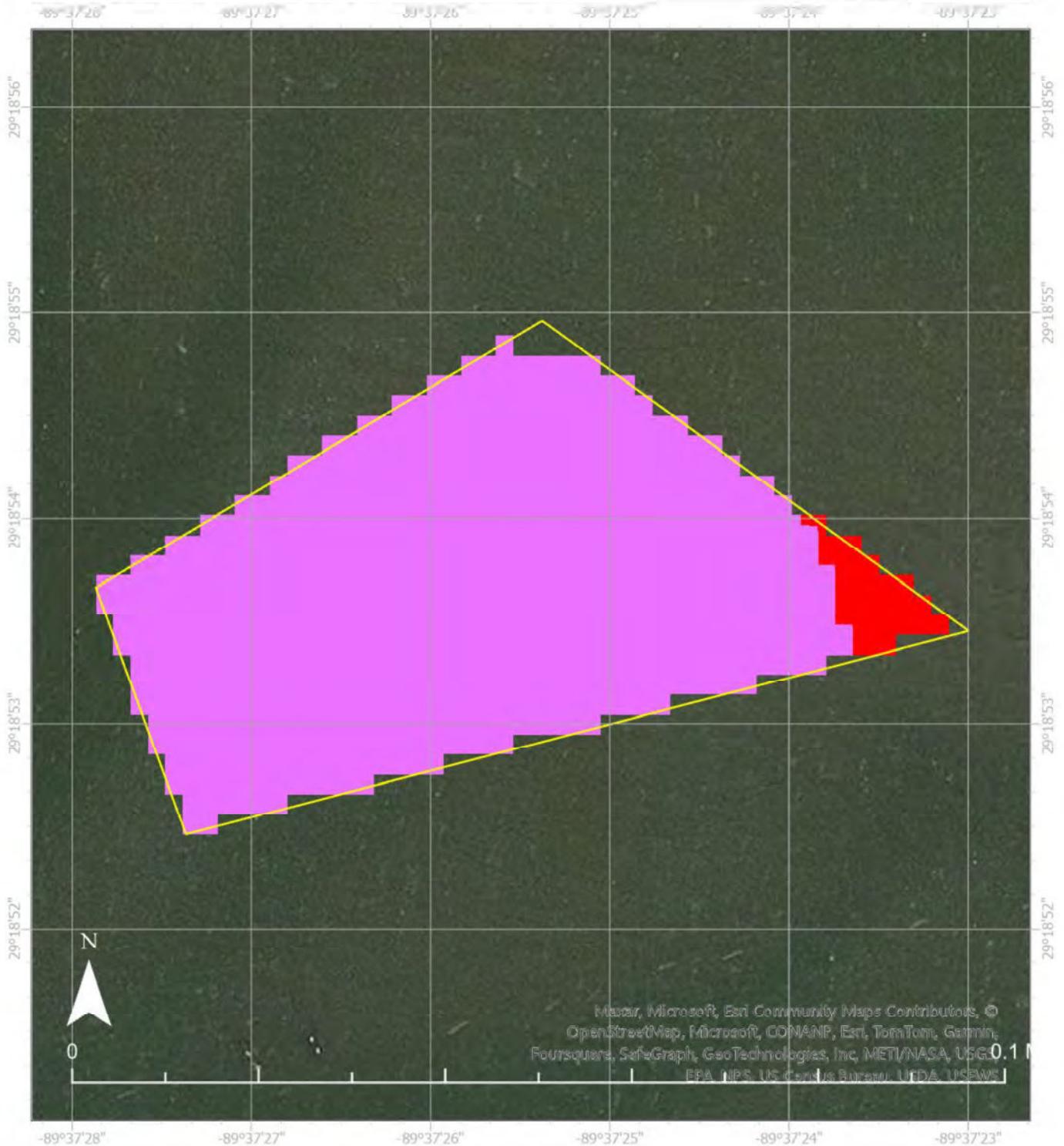
7.62 MT CO₂/acre/year – 1.67

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: OYSTER EAGLE, L.L.C.
 Lease Number: 3156021
 Latitude: 29.31490, Longitude -89.62381
 Location: BAYOU LA CHUTE
 Area: 2 acres

7.62 MT CO₂/acre/year – 0.06

13.45 MT CO₂/acre/year – 1.22

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: OYSTER EAGLE 7, LLC
 Lease Number: 3156511
 Latitude: 29.26557, Longitude -90.66104
 Location: BAYOU TUT TUT
 Area: 10 acres

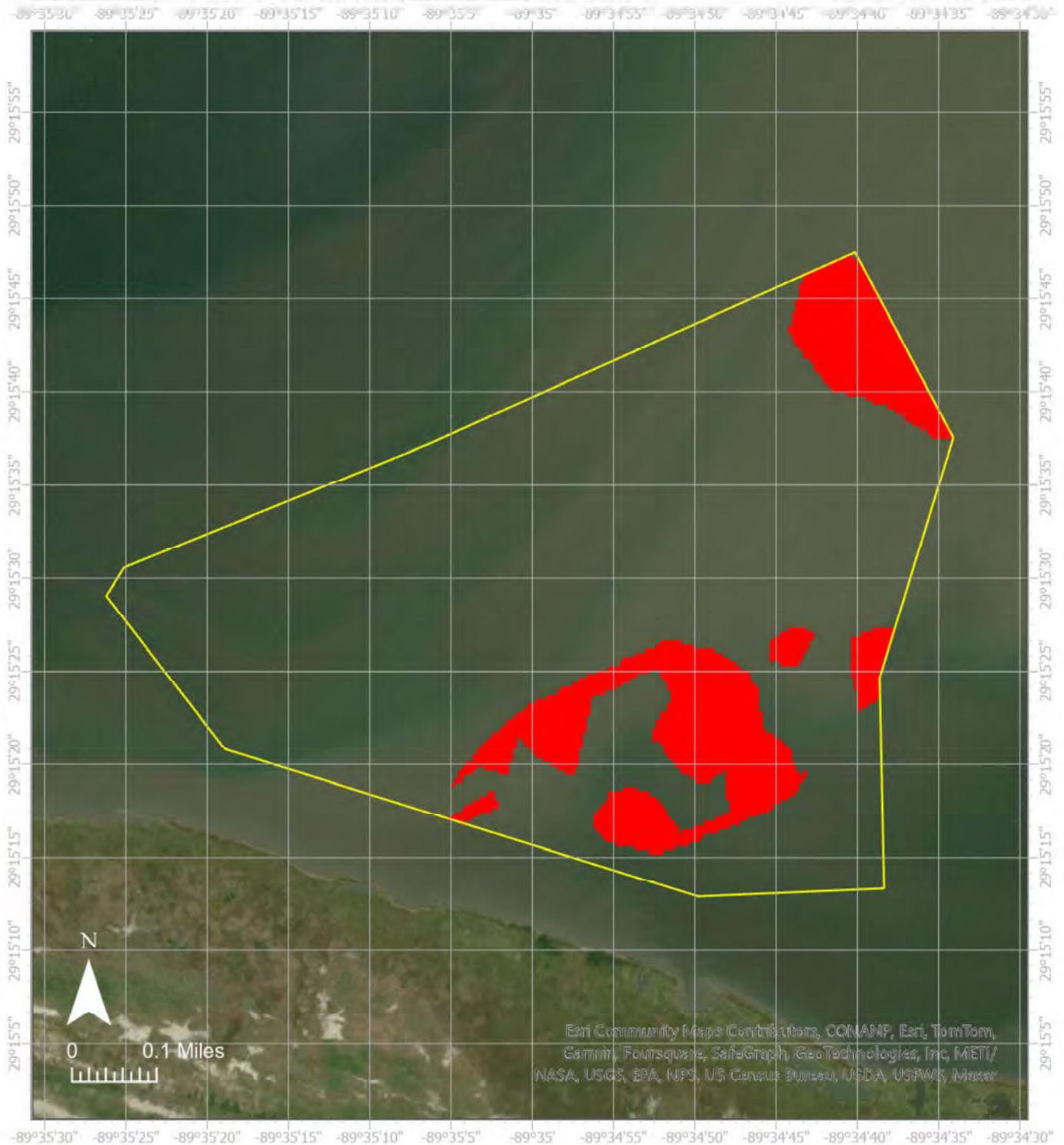
7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year – 9.15

19.36 MT CO₂/acre/year – 0.10

Lease Boundary





Earl Community Maps Contributors, CONAMP, Esri, TomTom, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/ NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Master

Lease Holder: PRINCE CHARMING, INC.
 Lease Number: 3161309
 Latitude: 29.25793, Longitude -89.58217
 Location: A BAY WEST OF SCOFIELD BAYOU AND EAST OF EMPIRE WATERWAY. Portion of lease acquired by CPRA
 Area: 222 acres

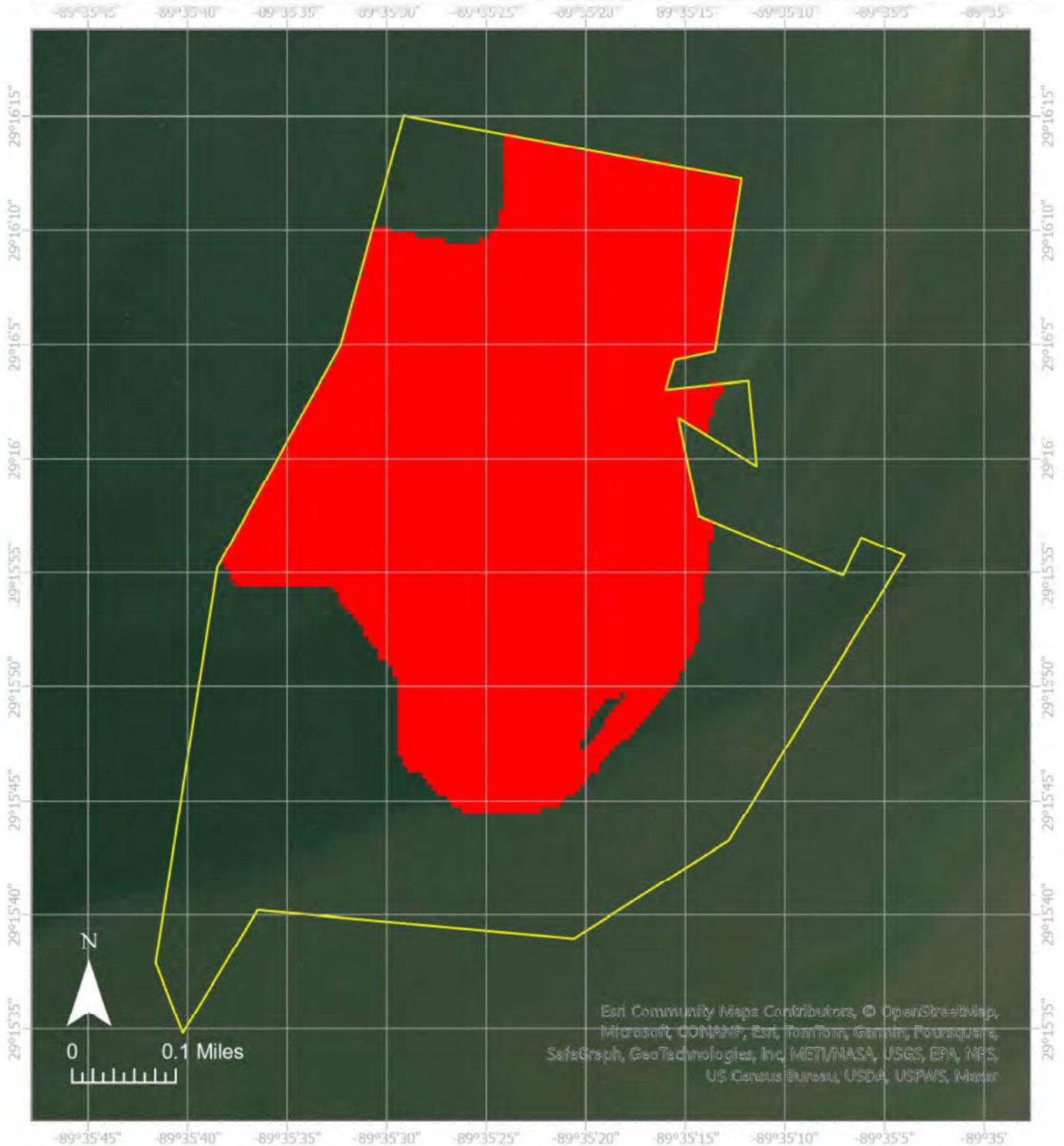
7.62 MT CO₂/acre/year – 31.48

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: SHELL ISLAND, INC.
 Lease Number: 3161409
 Latitude: 29.26521, Longitude -89.59010
 Location: A BAY EAST OF EMPIRE WATERWAY AND WEST OF SCOFIELD BAY
 Area: 175 acres

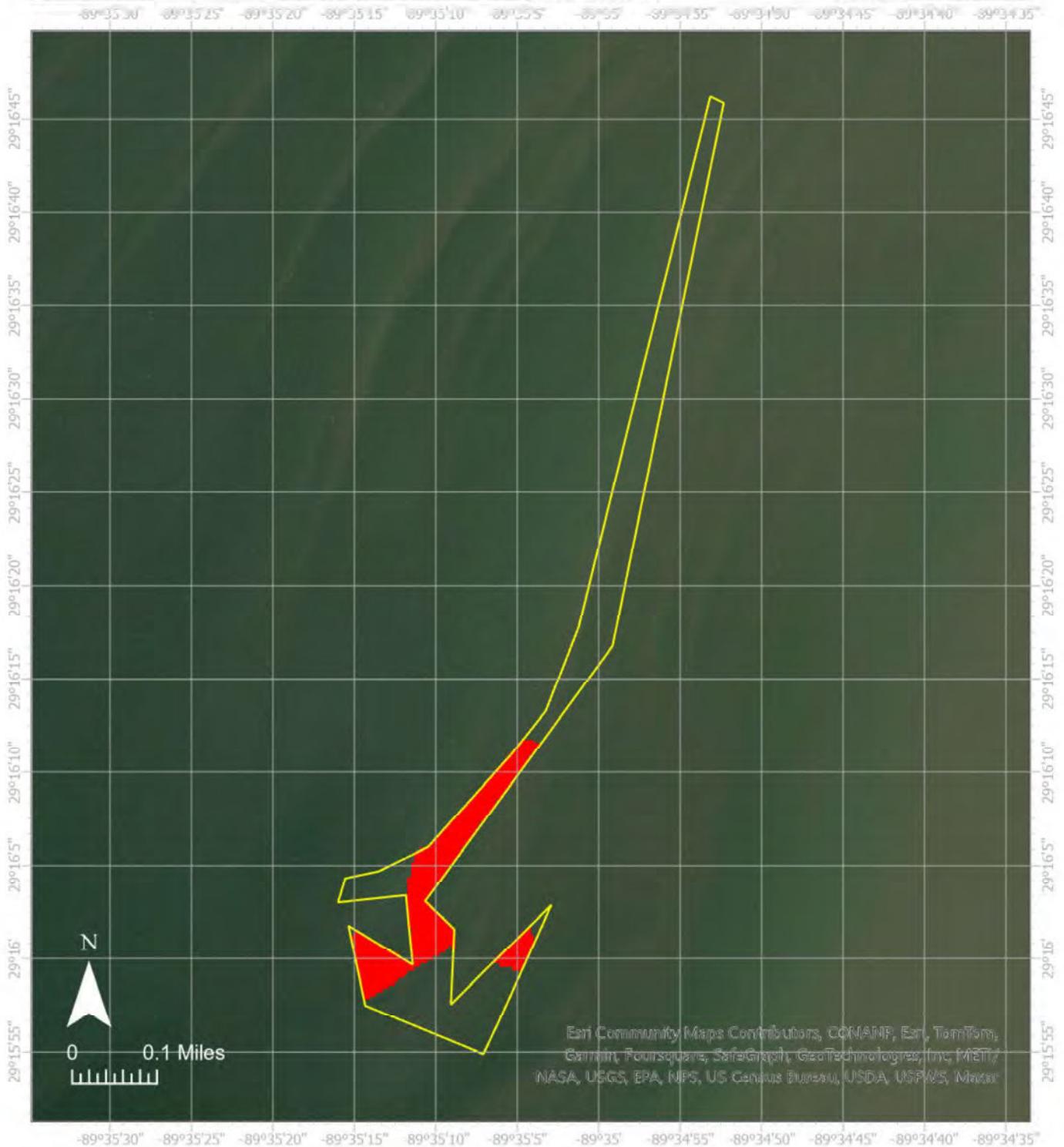
7.62 MT CO₂/acre/year - 98.05

13.45 MT CO₂/acre/year -

19.36 MT CO₂/acre/year -

Lease Boundary





Lease Holder: PRINCE CHARMING, INC.
 Lease Number: 3161621
 Latitude: 29.27346, Longitude -89.58285
 Location: A BAYOU WEST OF ENGLISH BAYOU AND EAST OF EMPIRE WATERWAY
 Area: 26 acres

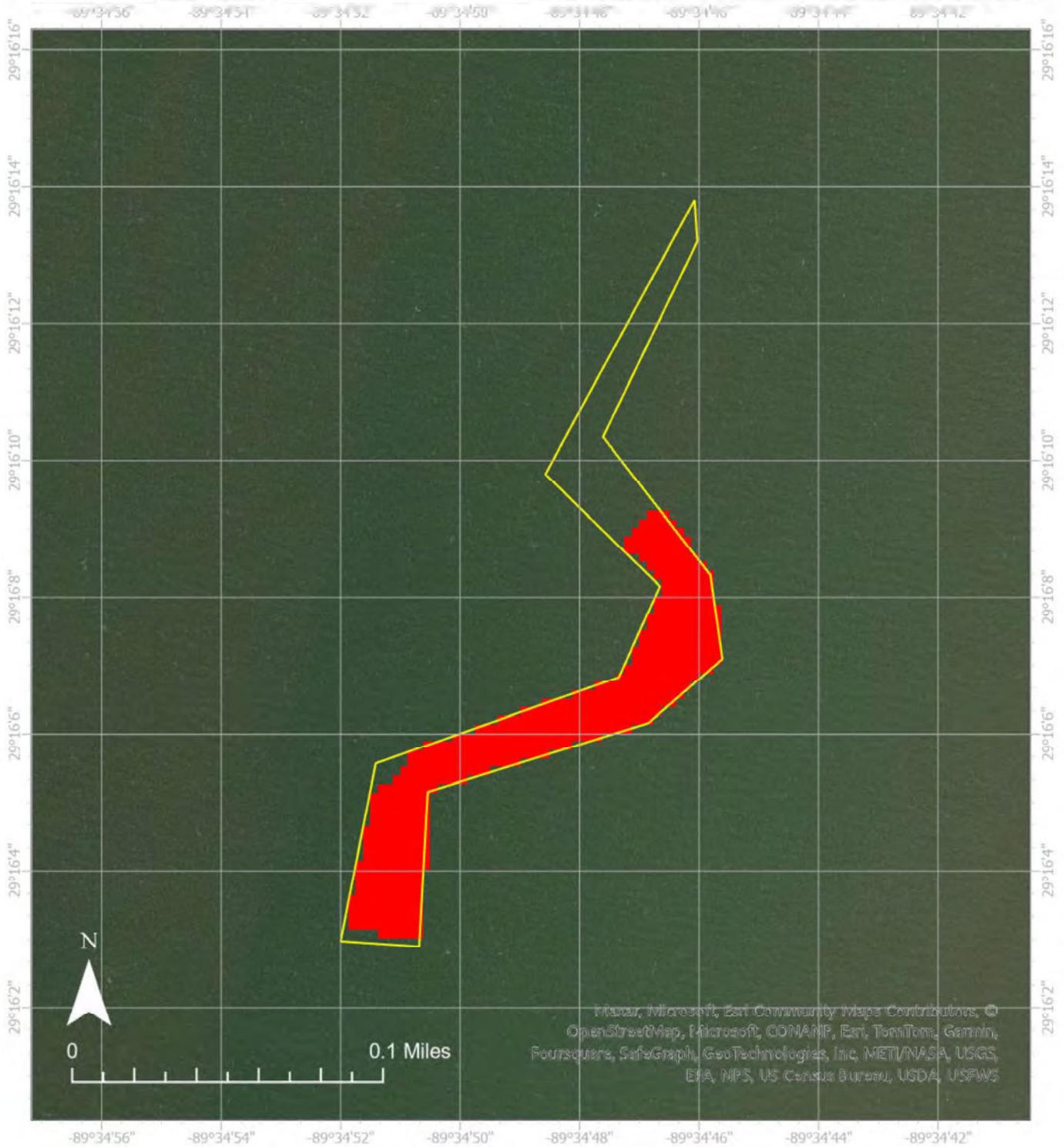
7.62 MT CO₂/acre/year – 6.85

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary

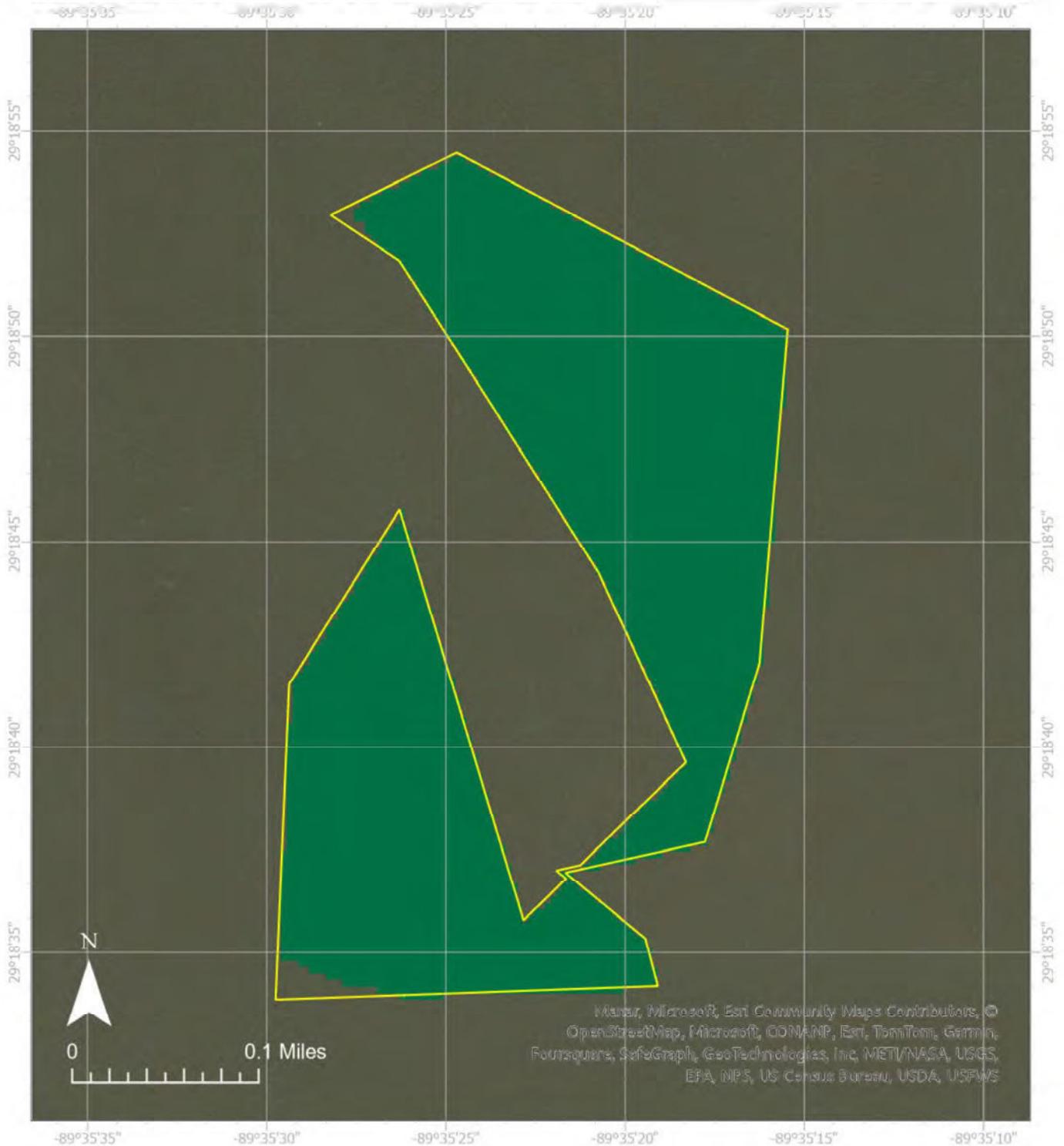




Lease Holder: MITCHELL B. JURISICH, JR.
 Lease Number: 3162421
 Latitude: 29.26833, Longitude -89.58022
 Location: A BAYOU EAST OF EMPIRE WATERWAY AND WEST OF SCOFIELD BAY
 Area: 3 acres

7.62 MT CO₂/acre/year – 1.72
 13.45 MT CO₂/acre/year –
 19.36 MT CO₂/acre/year –

	Lease Boundary



Lease Holder: OYSTER EAGLE 2, LLC
 Lease Number: 3168721
 Latitude: 29.31103, Longitude -89.59061
 Location: SUNKEN MARSH NORTH OF ENGLISH BAY
 Area: 31 acres

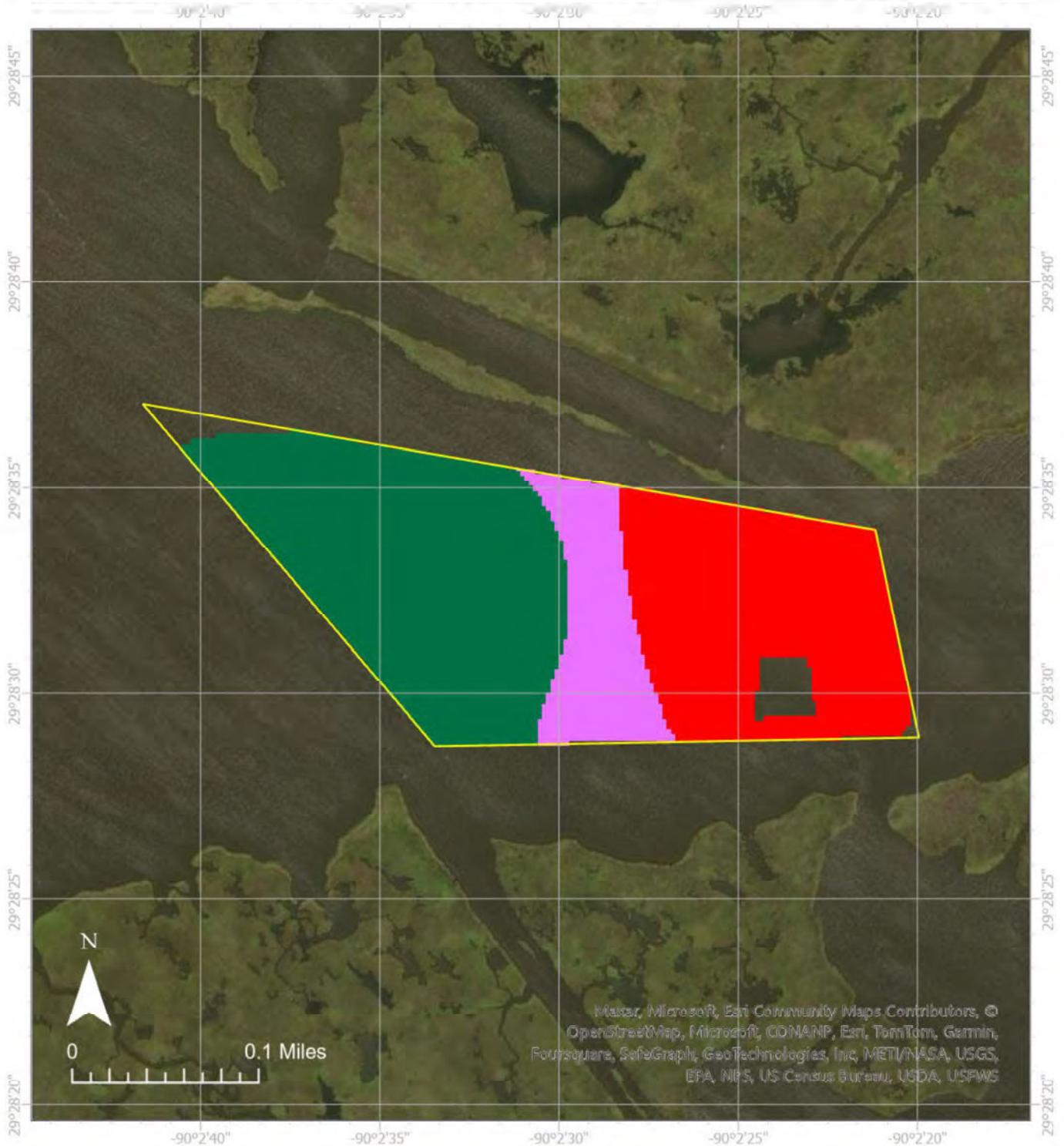
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year -

19.36 MT CO₂/acre/year - 30.37

Lease Boundary





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Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 3173422
 Latitude: 29.47566, Longitude -90.04160
 Location: BAYOU DOSGRIS
 Area: 22 acres

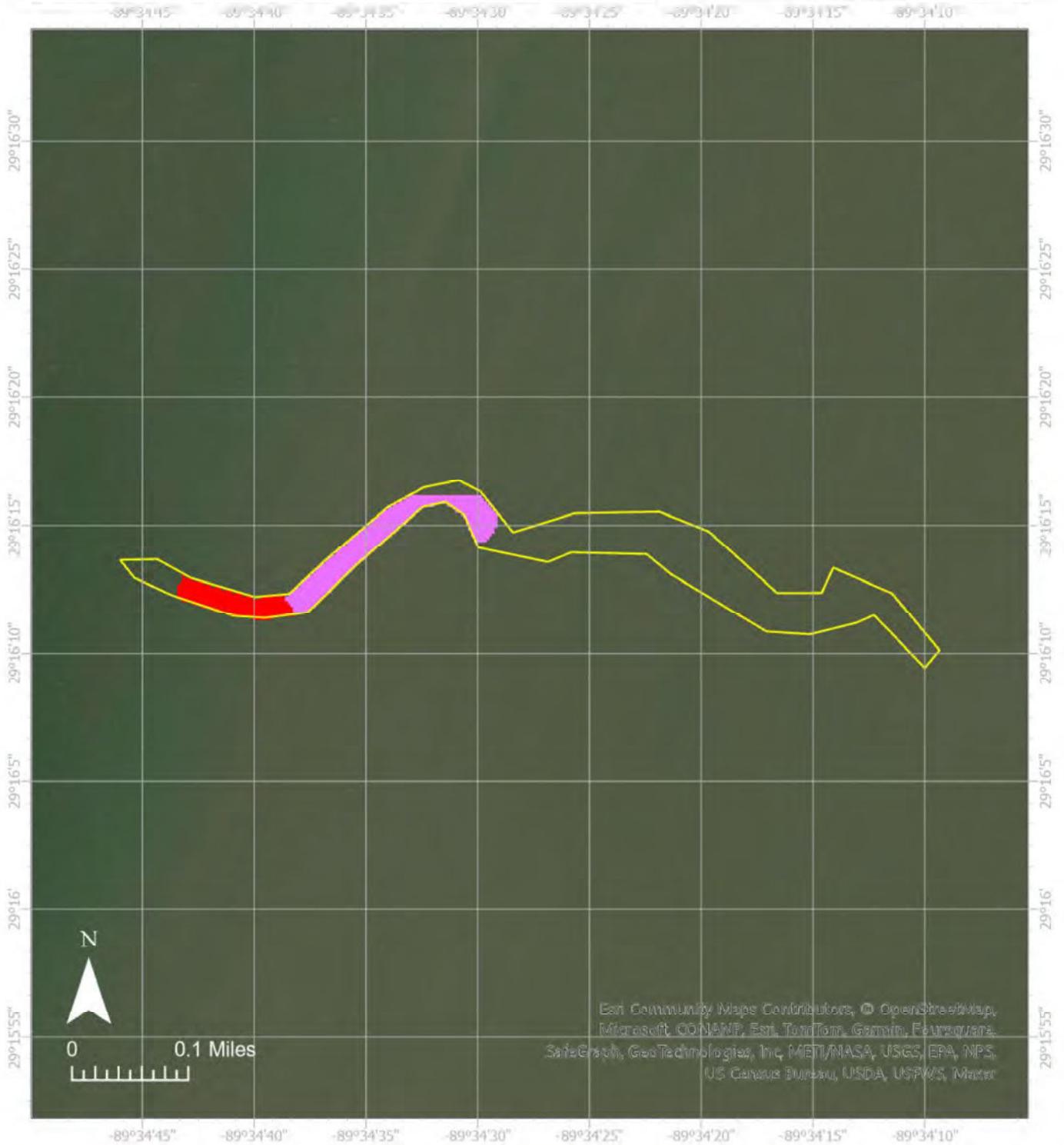
7.62 MT CO₂/acre/year – 7.83

13.45 MT CO₂/acre/year – 3.05

19.36 MT CO₂/acre/year – 10.10

Lease Boundary





Lease Holder: BAYOU CANARD, INC.
 Lease Number: 3188221
 Latitude: 29.27020, Longitude -89.57181
 Location: BAYOU CANARD
 Area: 11 acres

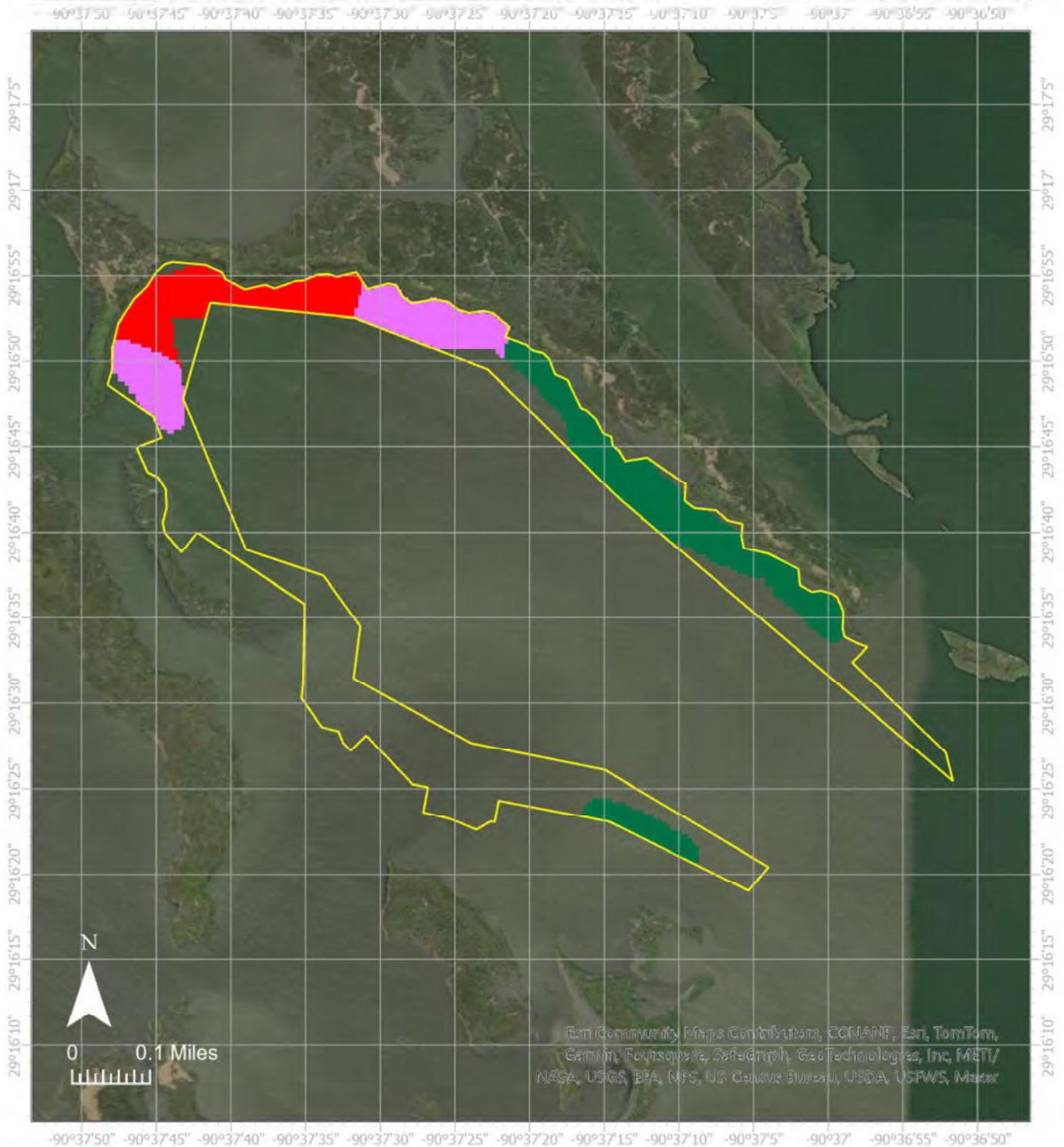
7.62 MT CO2/acre/year – 0.94

13.45 MT CO2/acre/year – 2.00

19.36 MT CO2/acre/year –

Lease Boundary

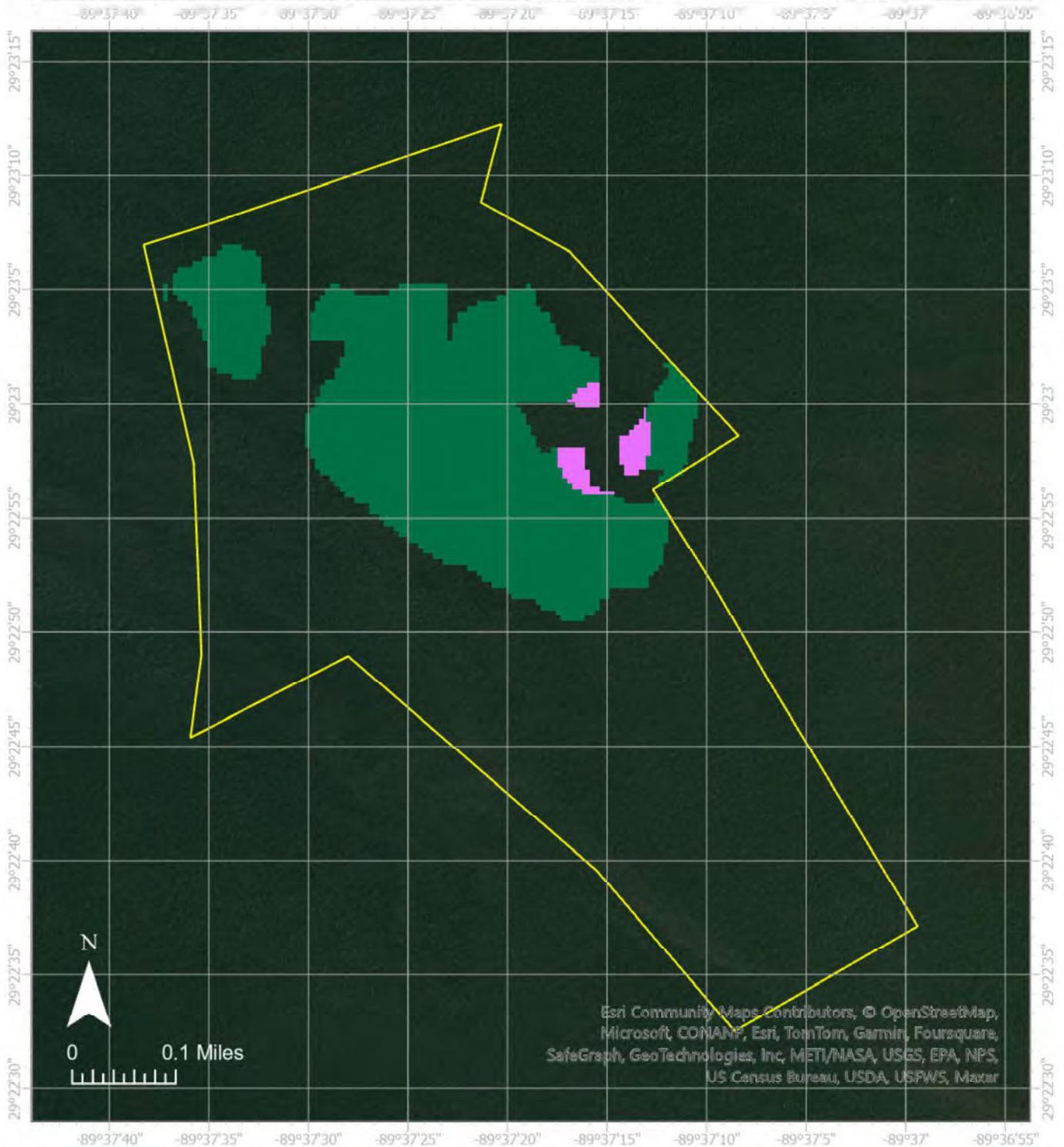




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Lease Holder: OYSTER EAGLE 7, LLC
 Lease Number: 3199721
 Latitude: 29.27374, Longitude -90.62221
 Location: BAY LUCIEN
 Area: 70 acres

- 7.62 MT CO₂/acre/year – 7.95
- 13.45 MT CO₂/acre/year – 8.09
- 19.36 MT CO₂/acre/year – 14.02
- Lease Boundary



Lease Holder: GULF OYSTERS II, INC.
 Lease Number: 3202421
 Latitude: 29.38152, Longitude -89.62230
 Location: ADAMS BAY
 Area: 152 acres

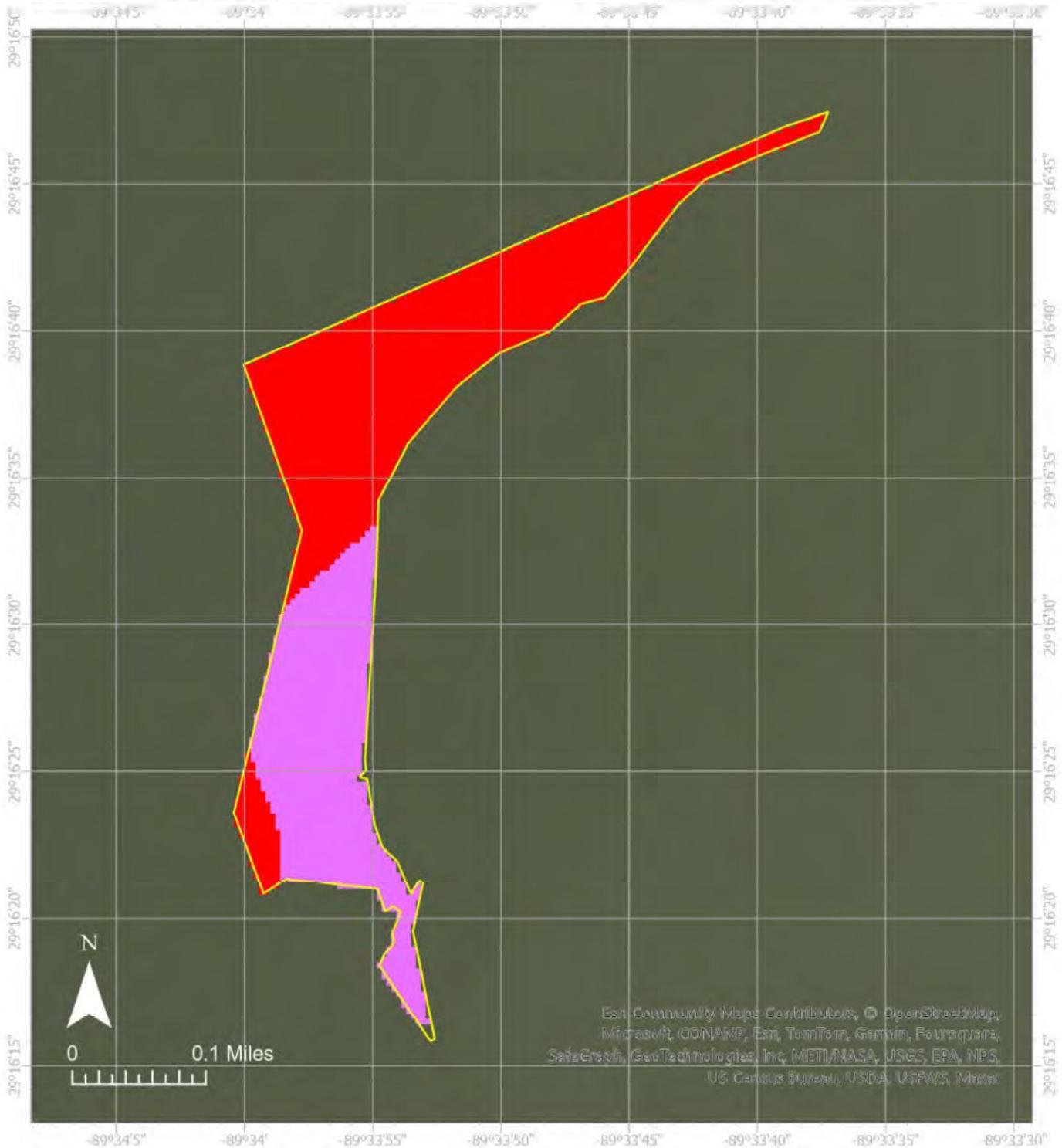
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year - 1.68

19.36 MT CO₂/acre/year - 38.22

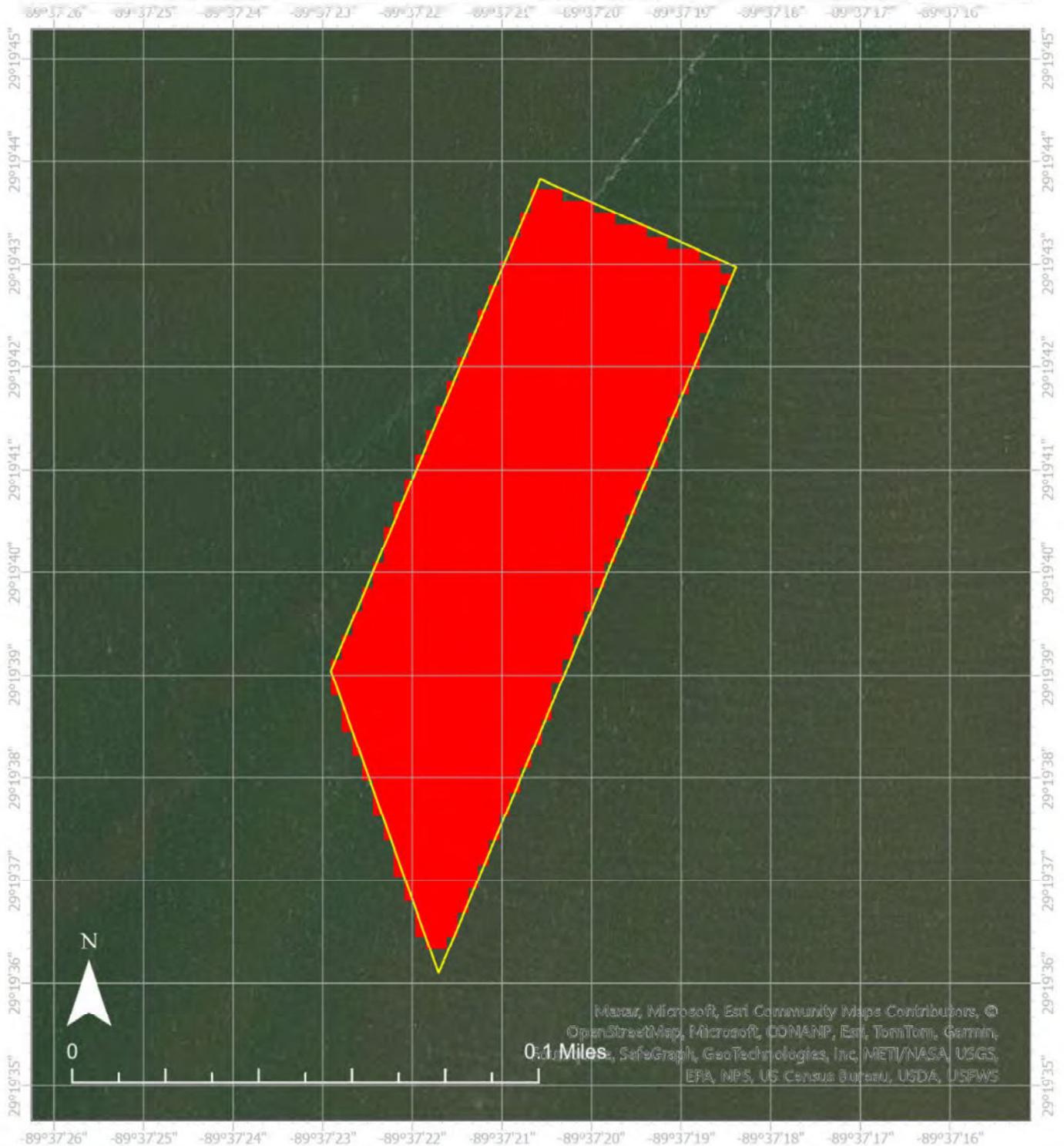
Lease Boundary





Lease Holder: FRANK J. JURISICH
 Lease Number: 3206521
 Latitude: 29.27817, Longitude -89.56356
 Location: SUNKEN MARSH NORTHWEST OF SCOFIELD BAY
 Area: 27 acres

- 7.62 MT CO₂/acre/year – 16.99
- 13.45 MT CO₂/acre/year – 9.72
- 19.36 MT CO₂/acre/year –
- Lease Boundary



Lease Holder: JEFFERY P. GALLET, JR.
 Lease Number: 3209821
 Latitude: 29.32790, Longitude -89.62246
 Location: FERRAND BAYOU
 Area: 4 acres

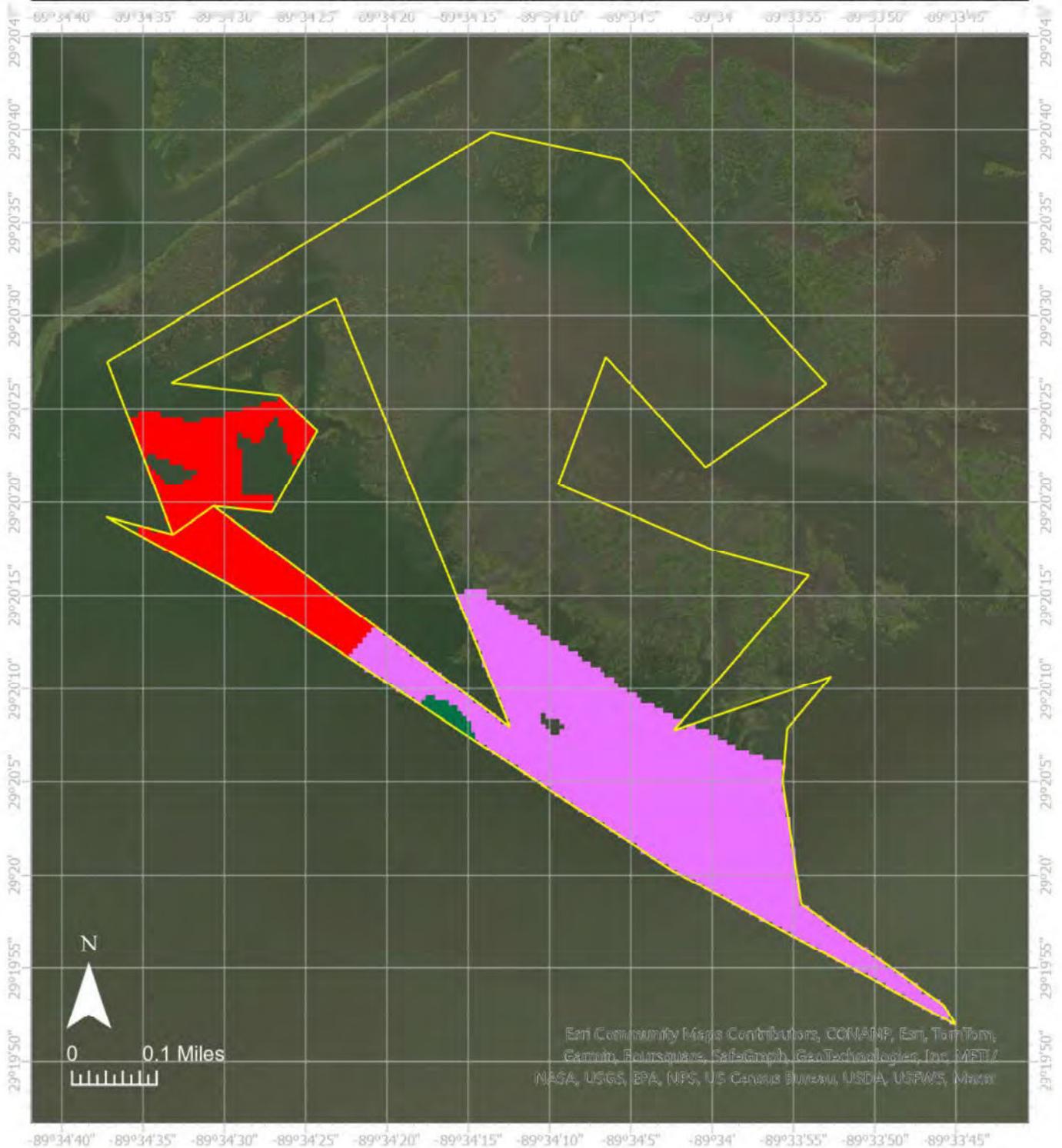
7.62 MT CO₂/acre/year – 3.11

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary

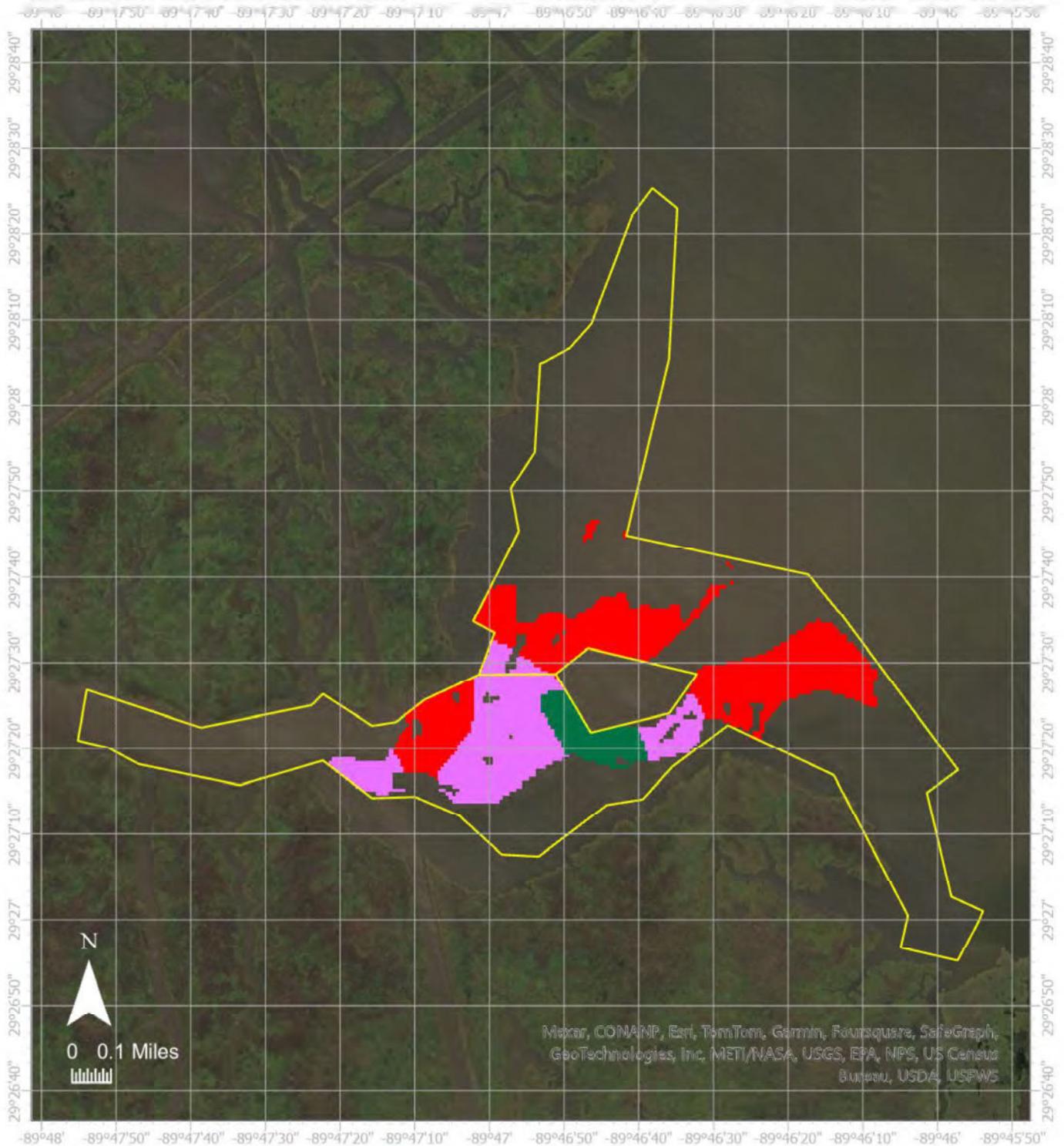




Earth Community Maps Contributors: COMMAP, Esri, TomTom, Garmin, Boursquare, SafeGraph, GeoTechnologies, Inc. METI / NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Maxar

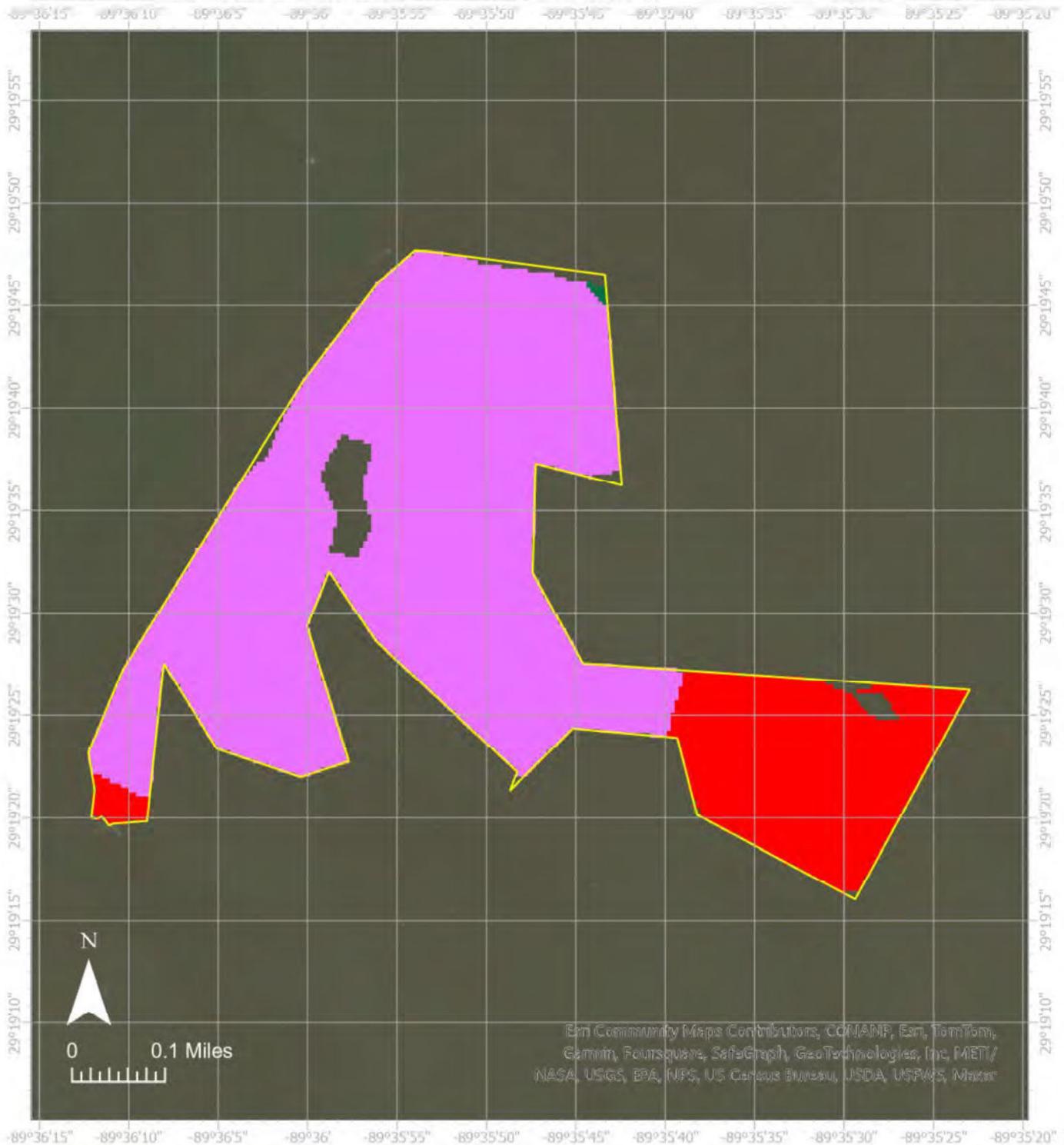
Lease Holder: GULF STAR OYSTERS, INC.
 Lease Number: 3217721
 Latitude: 29.33906, Longitude -89.56981
 Location: SUNKEN MARSH SOUTHEAST OF BAYOU TORTILLION
 Area: 180 acres

7.62 MT CO ₂ /acre/year – 15.18	
13.45 MT CO ₂ /acre/year – 38.06	
19.36 MT CO ₂ /acre/year – 0.43	
Lease Boundary	



Lease Holder: CAPT. PETE'S OYSTER FARM, LLC
 Lease Number: 3218611
 Latitude: 29.45879, Longitude -89.77877
 Location: BAY SANBOIS AND BAYOU DULAC
 Area: 514 acres

7.62 MT CO ₂ /acre/year – 83.45	
13.45 MT CO ₂ /acre/year – 49.74	
19.36 MT CO ₂ /acre/year – 12.09	
Lease Boundary	



Lease Holder: GULF STAR OYSTERS, INC.
 Lease Number: 3220521
 Latitude: 29.32543, Longitude -89.59726
 Location: A BAY EAST OF BAYOU LONG AND WEST OF BAYOU TORTILLON. Portion of lease acquired by CPRA
 Area: 119 acres

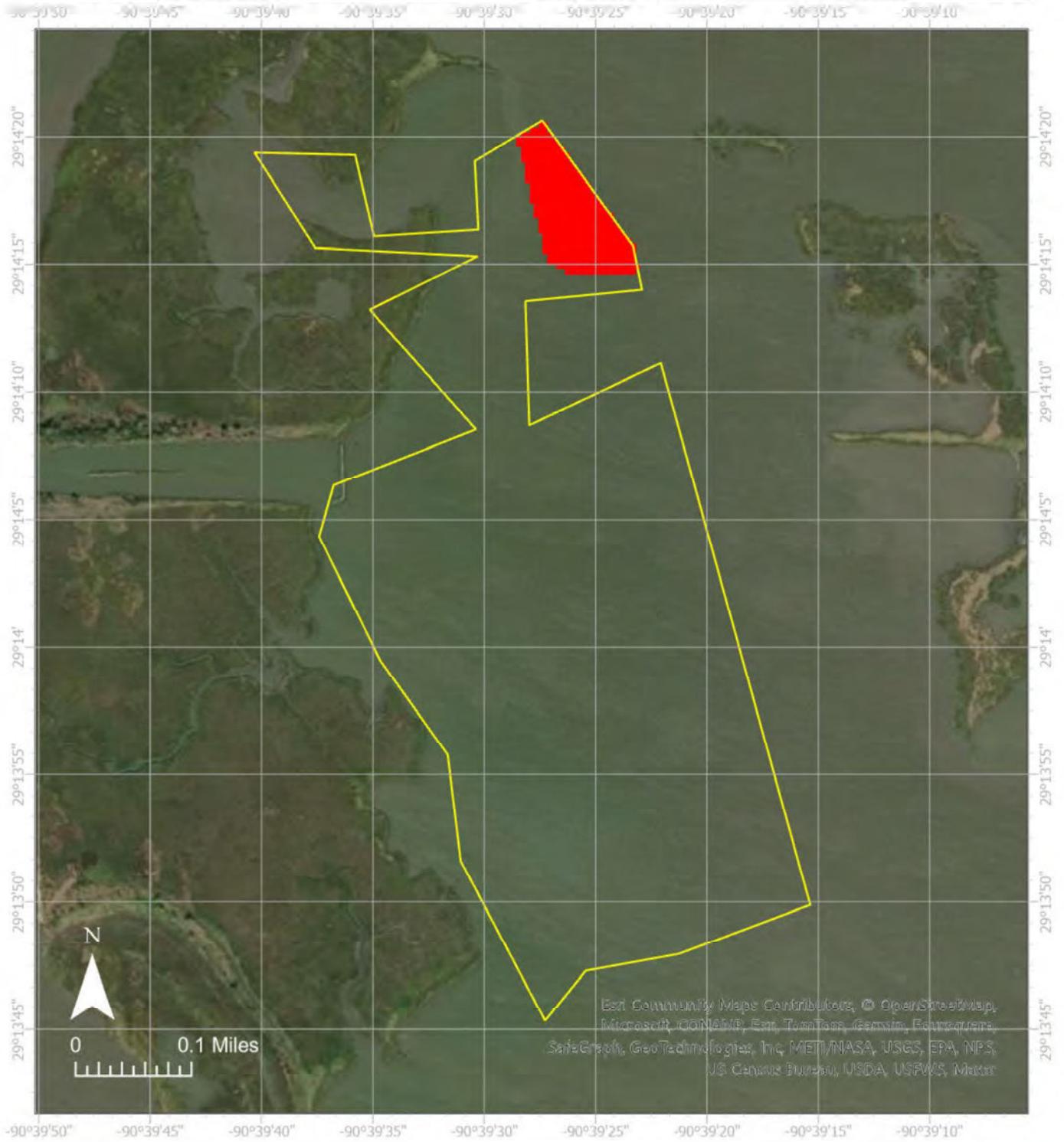
7.62 MT CO₂/acre/year – 24.67

13.45 MT CO₂/acre/year – 89.05

19.36 MT CO₂/acre/year – 0.09

Lease Boundary



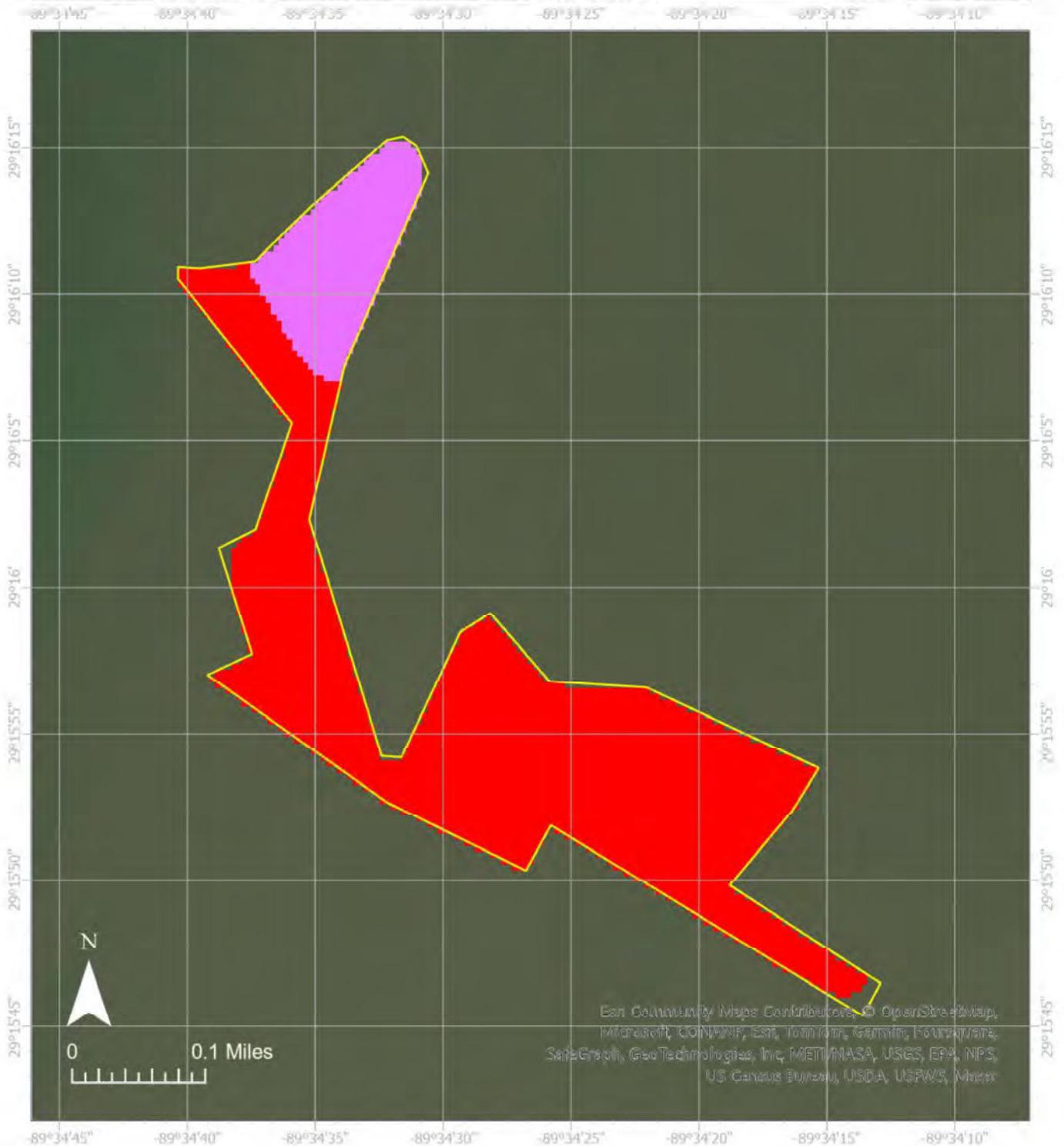


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Lease Holder: GALLET OYSTERS, LLC
 Lease Number: 3221111
 Latitude: 29.23387, Longitude -90.65744
 Location: BAY LONG AND A BAYOU WEST OF BAY LONG
 Area: 83 acres

7.62 MT CO₂/acre/year – 3.52
 13.45 MT CO₂/acre/year –
 19.36 MT CO₂/acre/year –

Lease Boundary		



Lease Holder: FRANK J. JURISICH
 Lease Number: 3221821
 Latitude: 29.26621, Longitude -89.57467
 Location: SUNKEN MARSH SOUTHWEST OF SCOFIELD BAY
 Area: 38 acres

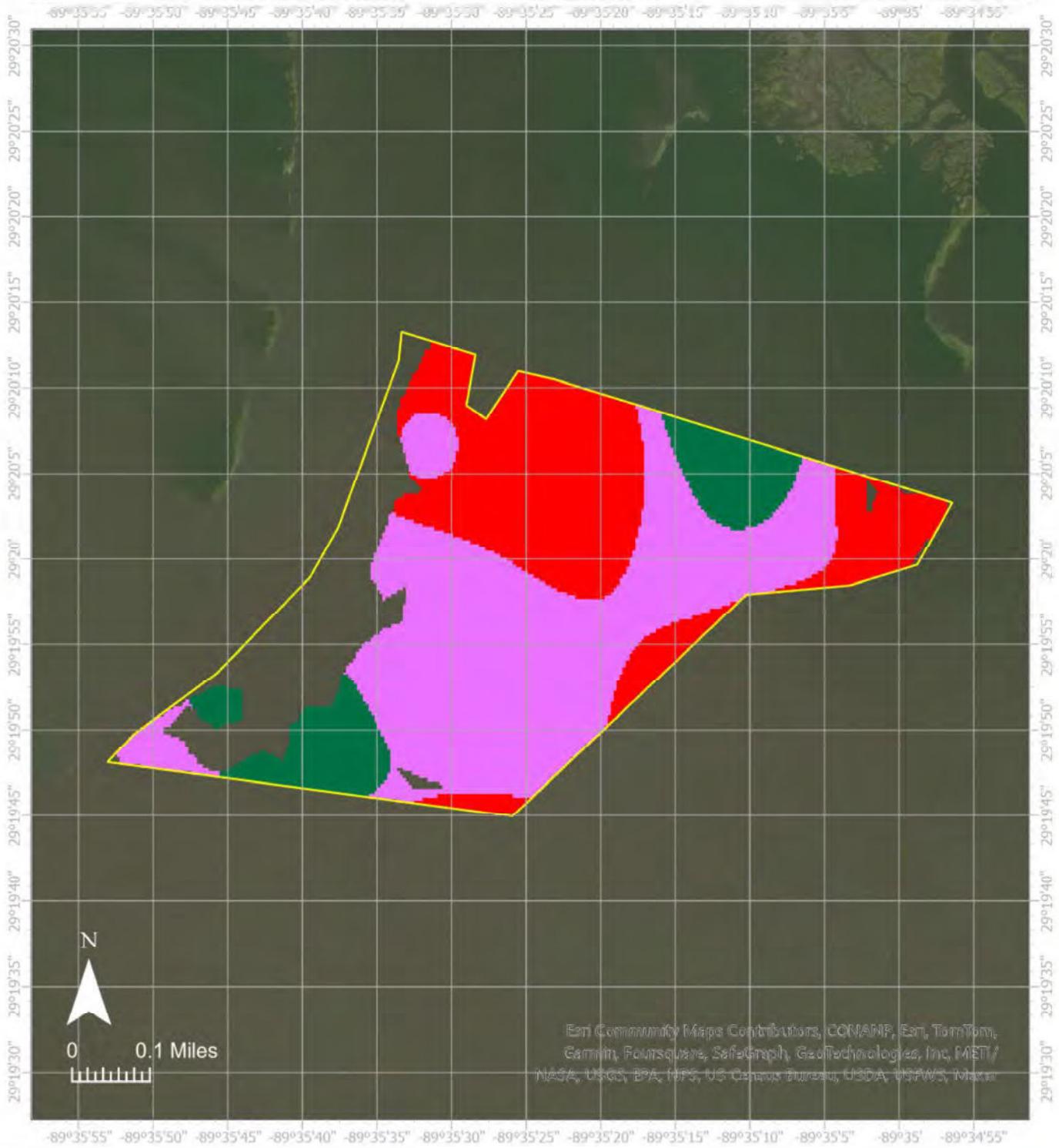
7.62 MT CO₂/acre/year – 31.02
 13.45 MT CO₂/acre/year – 5.60
 19.36 MT CO₂/acre/year –





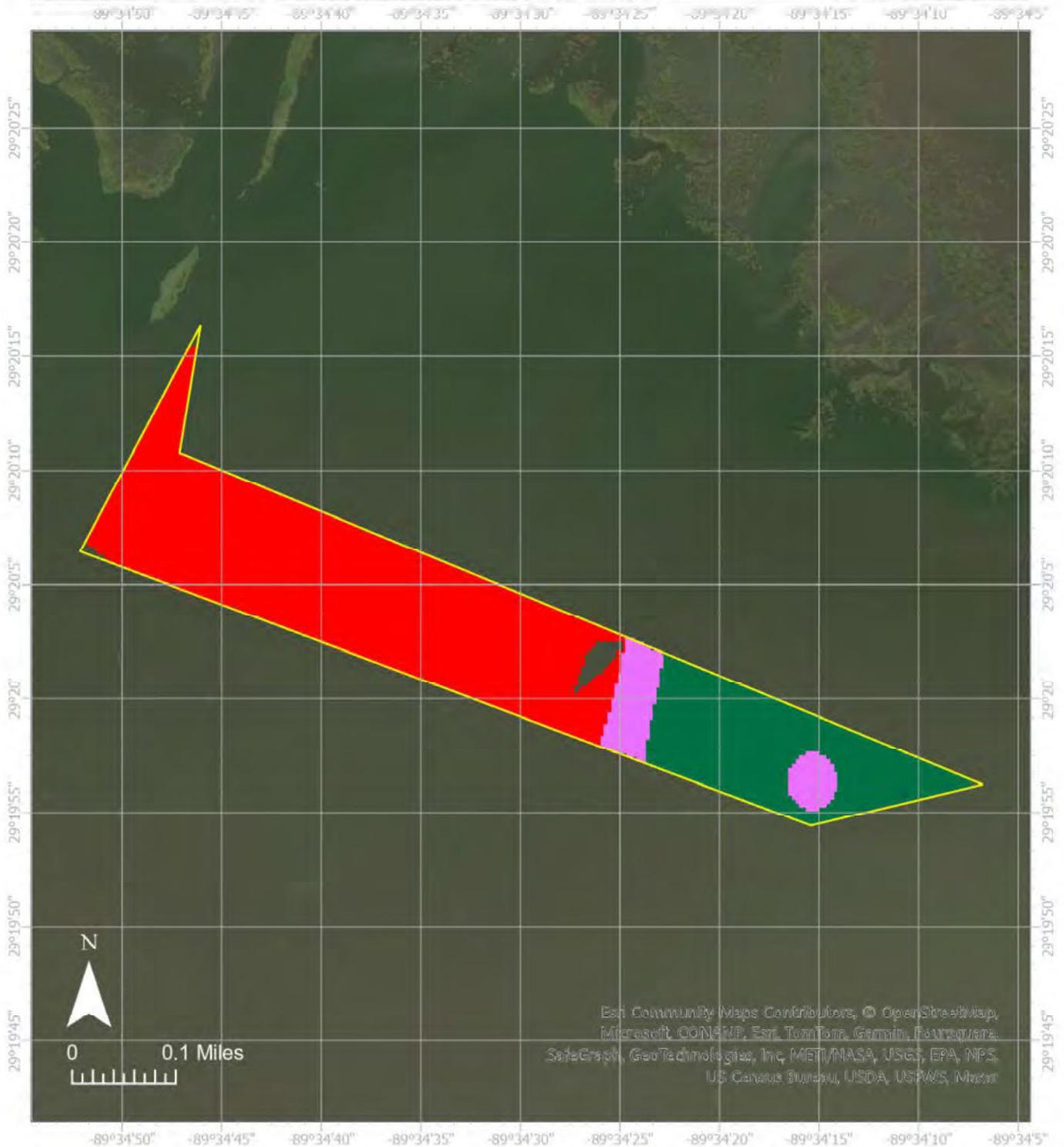
Lease Holder: FRANK J. JURISICH
 Lease Number: 3229622
 Latitude: 29.26413, Longitude -89.60066
 Location: BAYS, BAYOUS EAST OF EMPIRE WATERWAY AND WEST OF ENGLISH BAYOU. Portion of lease acquired by CPRA
 Area: 433 acres

- 7.62 MT CO₂/acre/year – 79.96
- 13.45 MT CO₂/acre/year –
- 19.36 MT CO₂/acre/year –
- Lease Boundary



Lease Holder: MITCHELL B. JURISICH, JR.
 Lease Number: 3247422
 Latitude: 29.33284, Longitude -89.59044
 Location: A BAY EAST OF BAYOU LONG AND SOUTH OF DRAKES BAY. Portion of lease acquired by CPRA
 Area: 154 acres

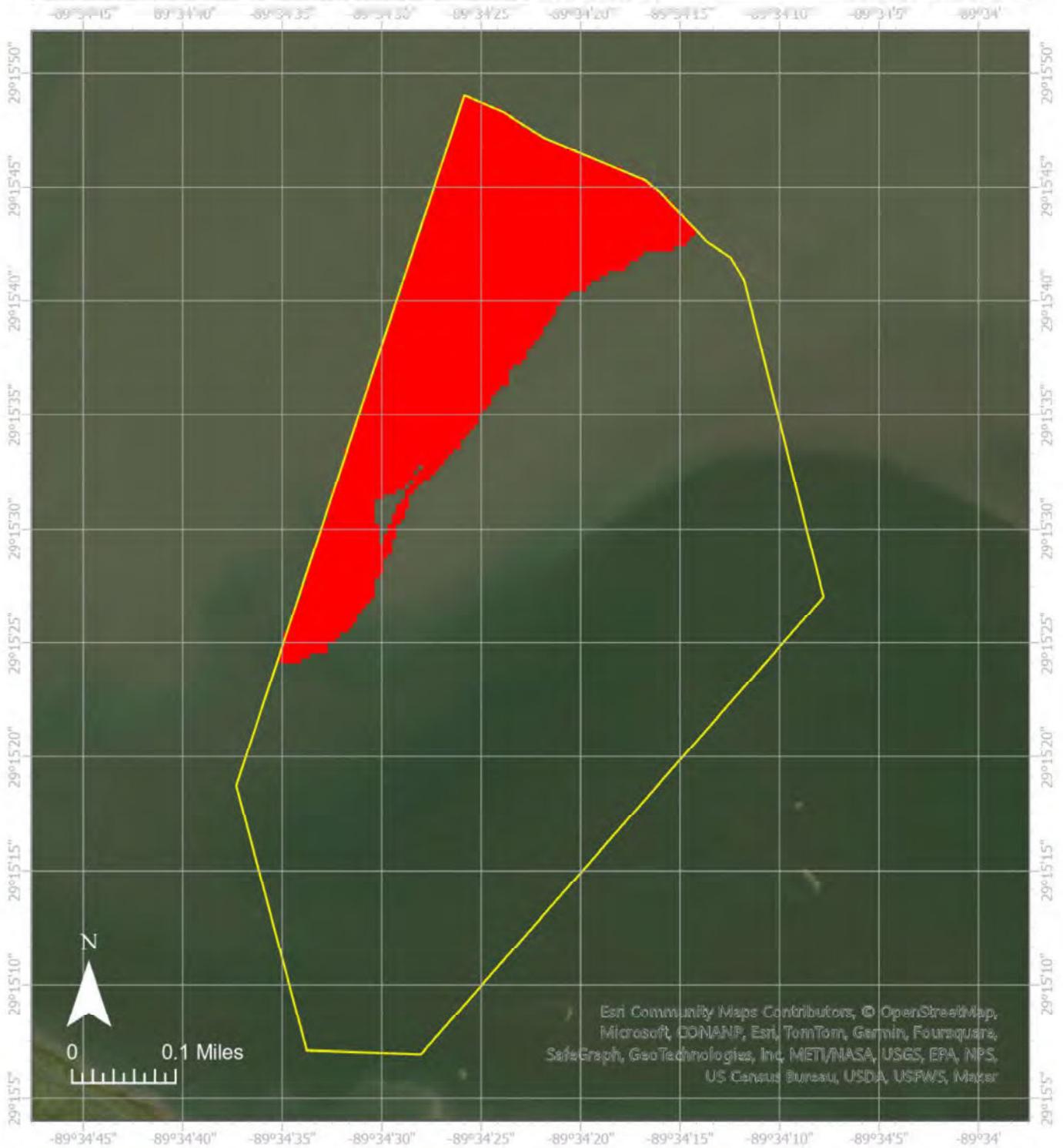
7.62 MT CO ₂ /acre/year – 46.07	
13.45 MT CO ₂ /acre/year – 66.65	
19.36 MT CO ₂ /acre/year – 16.14	
Lease Boundary	



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Lease Holder: MITCHELL B. JURISICH, JR.
 Lease Number: 3247522
 Latitude: 29.33409, Longitude -89.57554
 Location: A BAY EAST OF BAYOU TORTILLON
 Area: 46 acres

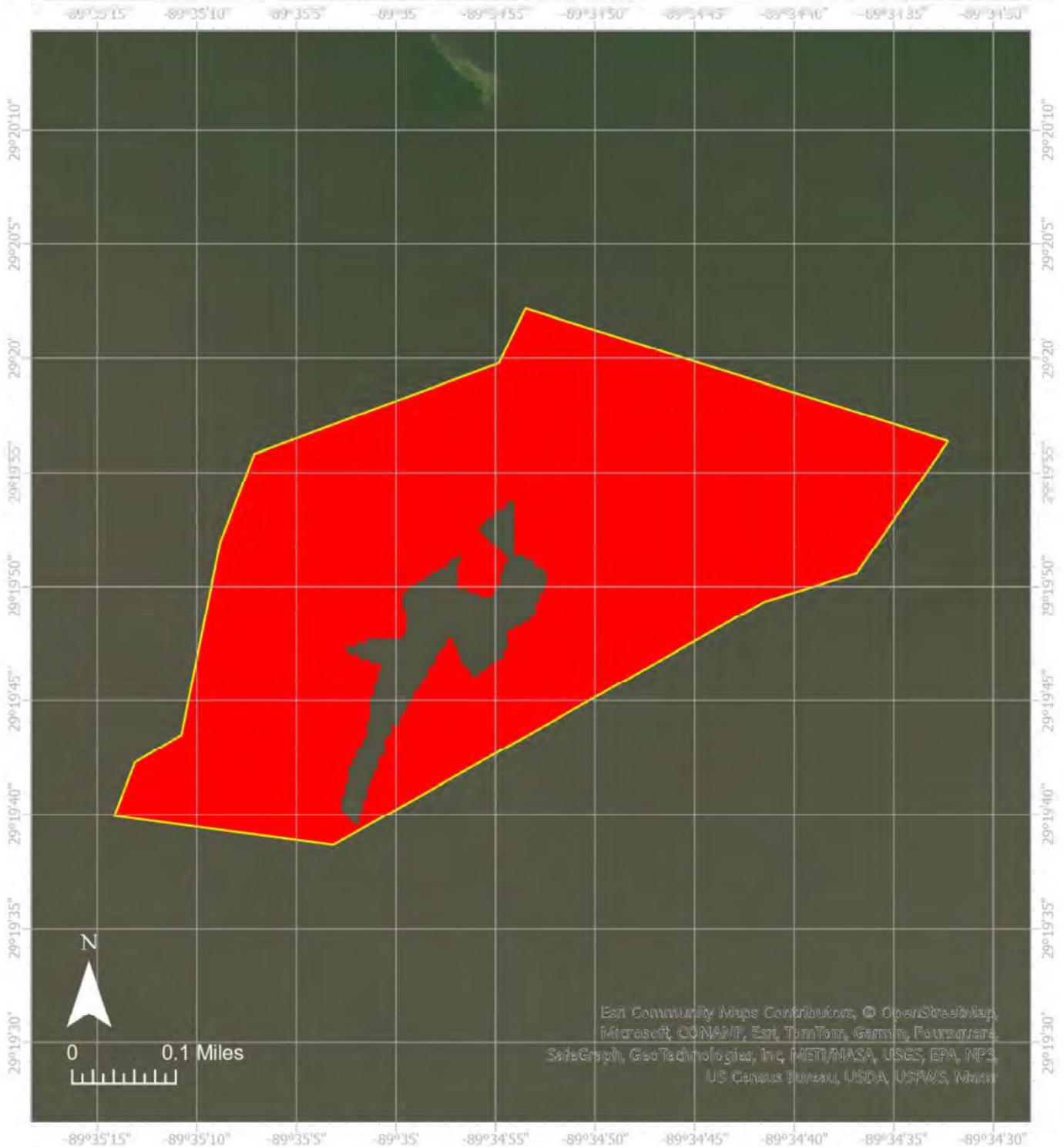
7.62 MT CO ₂ /acre/year – 29.90	
13.45 MT CO ₂ /acre/year – 3.34	
19.36 MT CO ₂ /acre/year – 11.14	
Lease Boundary	



Lease Holder: PELICAN ISLAND OYSTERS, INC.
 Lease Number: 3247922
 Latitude: 29.25768, Longitude -89.57313
 Location: A BAY WEST OF ENGLISH BAYOU. Portion of lease acquired by CPRA.
 Area: 152 acres

- 7.62 MT CO₂/acre/year – 32.36
- 13.45 MT CO₂/acre/year –
- 19.36 MT CO₂/acre/year –
- Lease Boundary

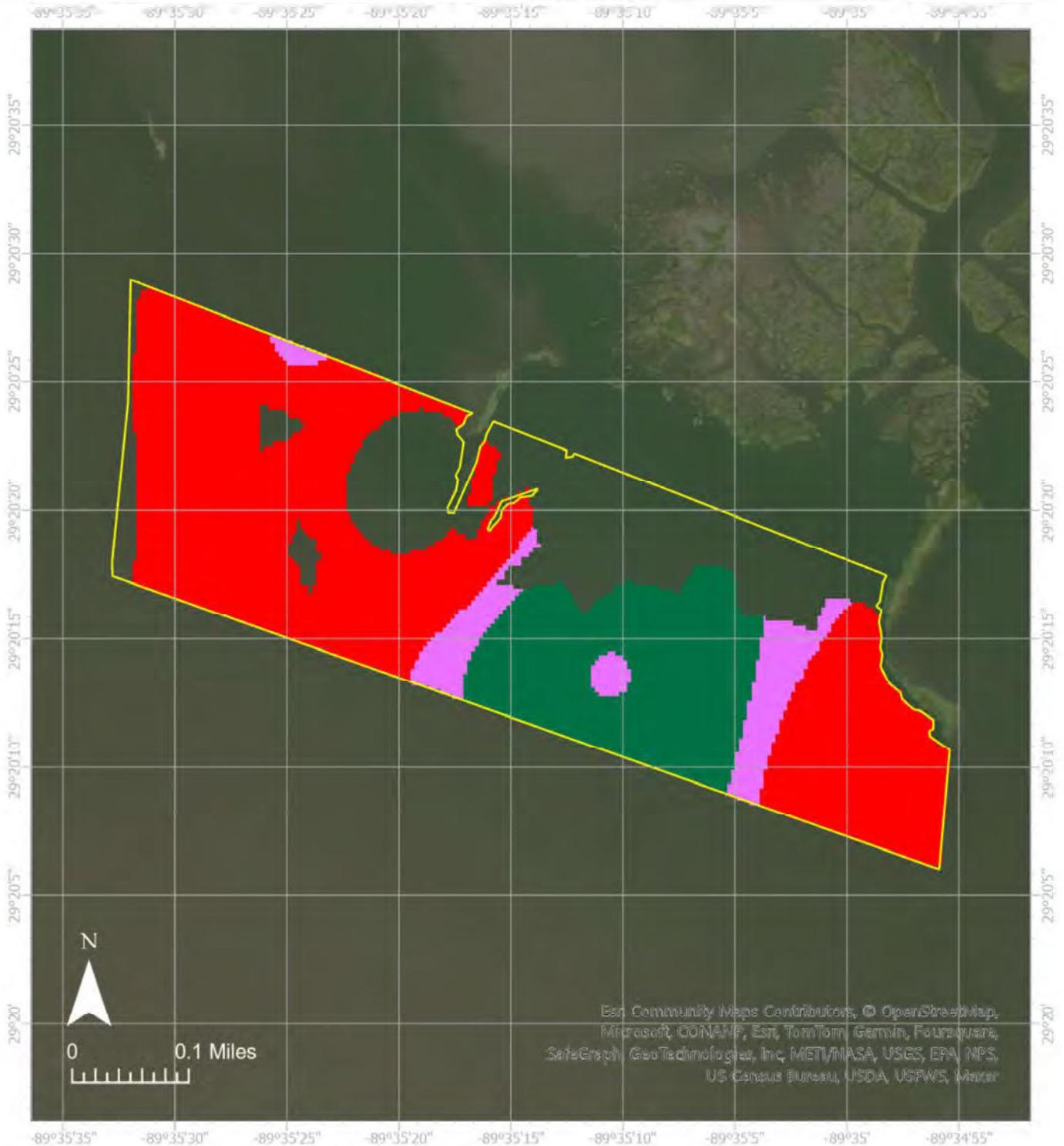
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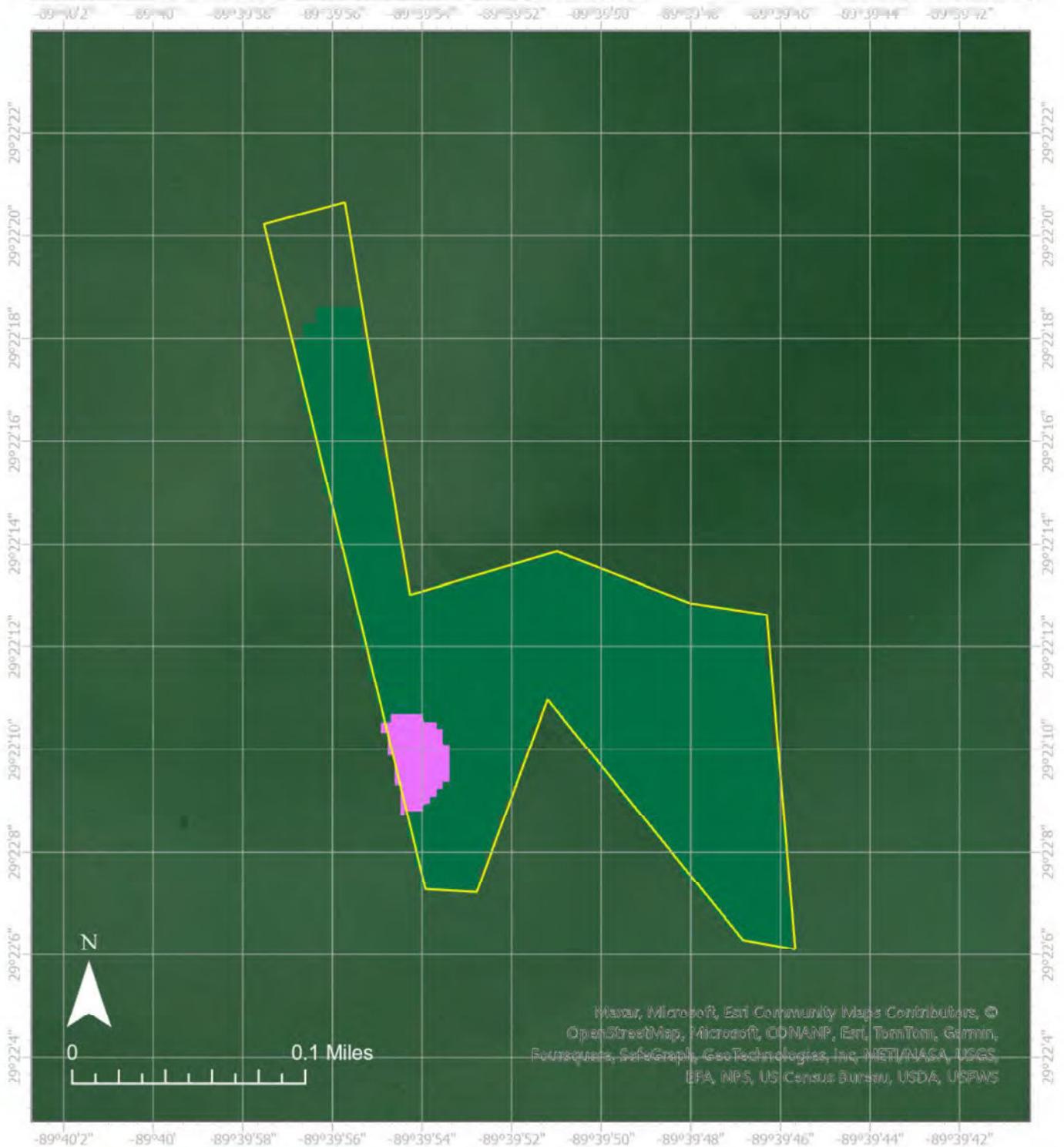
Lease Holder: PRINCE CHARMING, INC.
 Lease Number: 3248122
 Latitude: 29.33076, Longitude -89.58189
 Location: A BAY EAST OF BAYOU TORTILLON AND WEST OF BAY POMME D'OR
 Area: 106 acres

- 7.62 MT CO₂/acre/year – 97.48
- 13.45 MT CO₂/acre/year –
- 19.36 MT CO₂/acre/year –
- Lease Boundary



Lease Holder: PRINCE CHARMING, INC.
 Lease Number: 3248222
 Latitude: 29.33816, Longitude -89.58746
 Location: A BAY EAST OF BAYOU LONG AND WEST OF BAYOU TORTILLON. Portion of lease acquired by CPRA
 Area: 81 acres

7.62 MT CO ₂ /acre/year – 40.13	
13.45 MT CO ₂ /acre/year – 5.66	
19.36 MT CO ₂ /acre/year – 14.83	
Lease Boundary	



Lease Holder: JEFFERY P. GALLET, JR.
 Lease Number: 3250022
 Latitude: 29.36998, Longitude -89.66430
 Location: SUNKEN MARSH SOUTH OF MEYERS CANAL AND EAST OF GRAND BAYOU
 Area: 12 acres

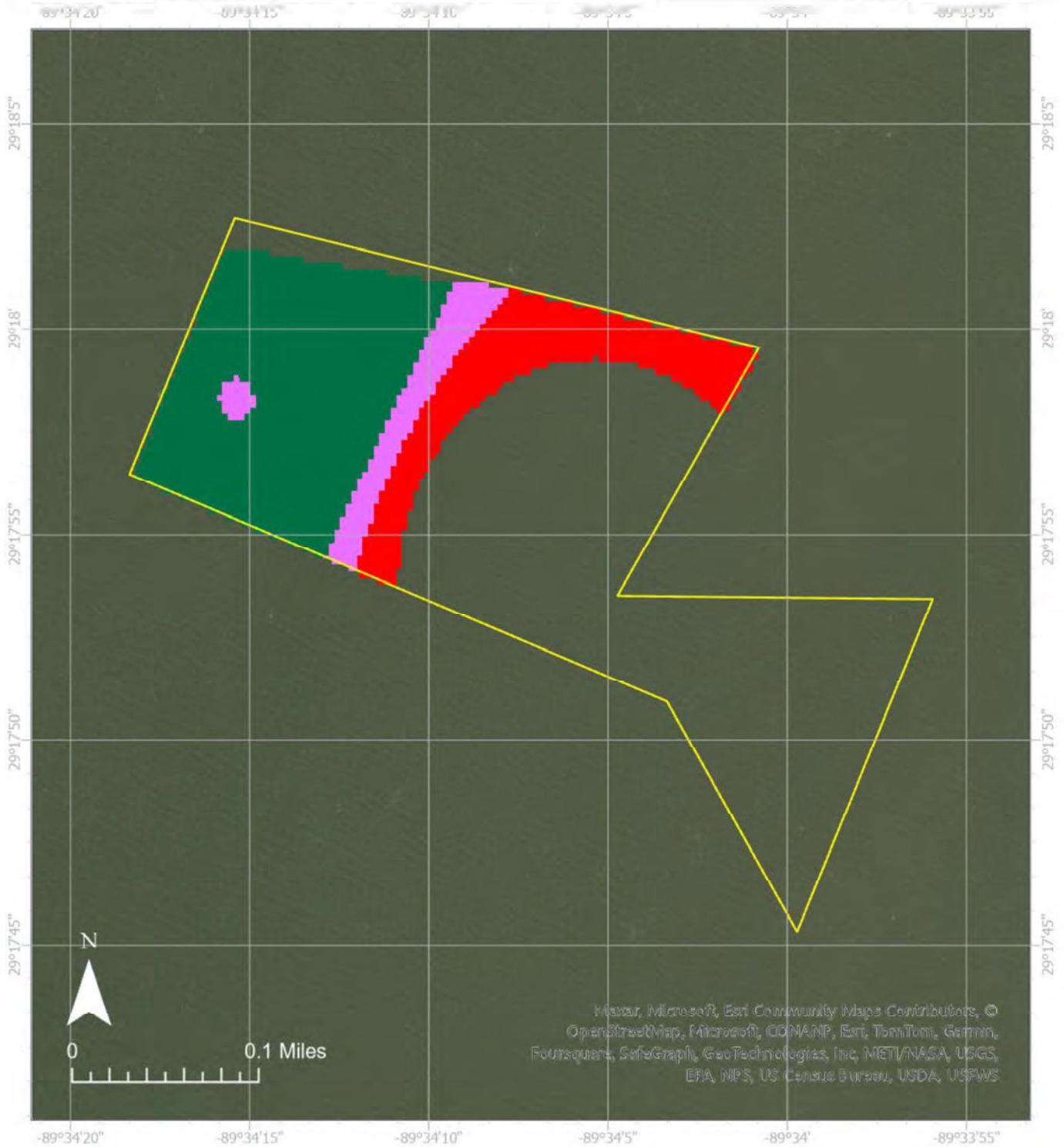
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year - 0.48

19.36 MT CO₂/acre/year - 10.16

Lease Boundary



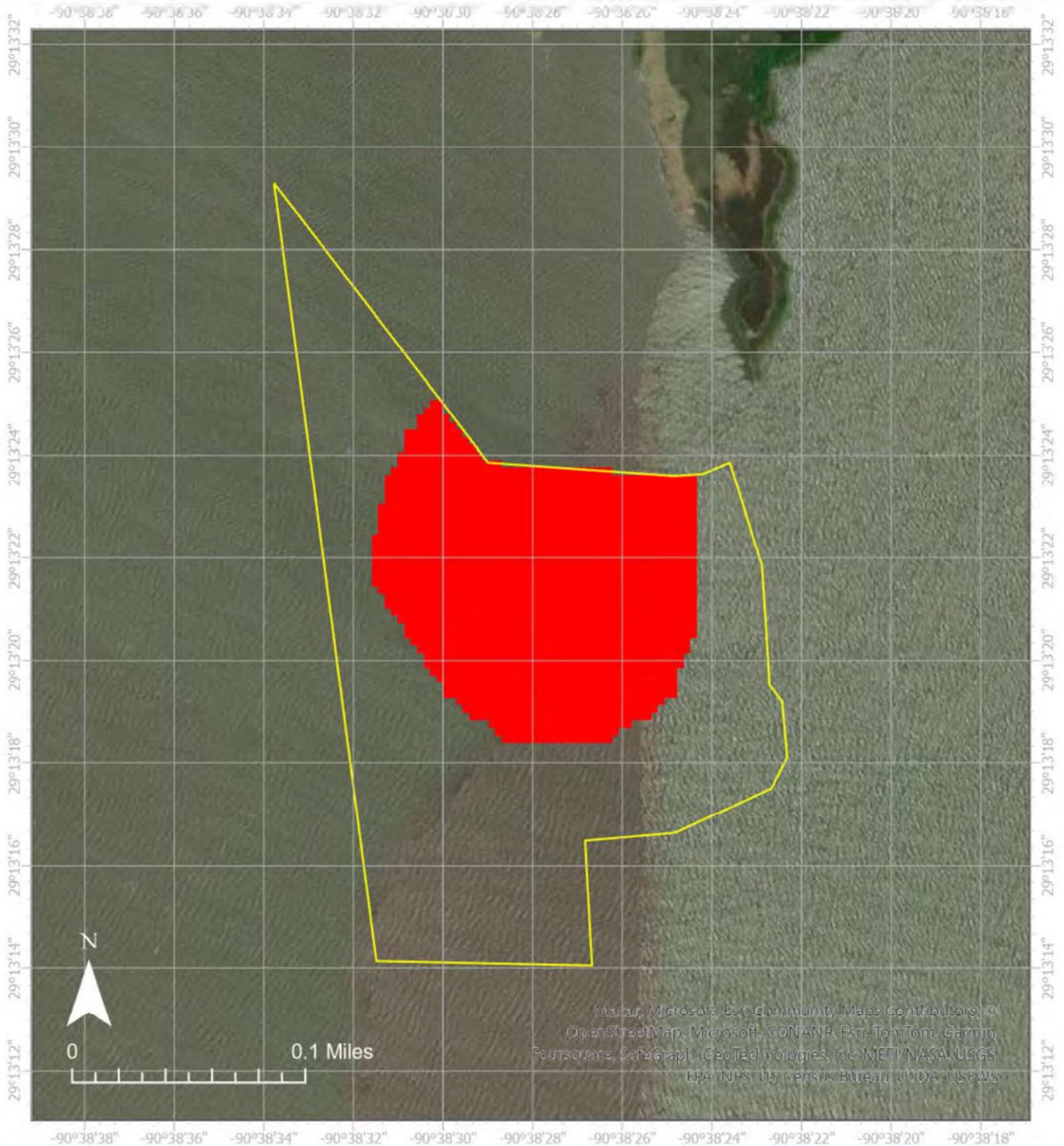


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 Fourqurean, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS,
 EPA, NPS, US Census Bureau, USDA, USFWS

Lease Holder: J AND R OYSTERS, L.L.C.
 Lease Number: 3256522
 Latitude: 29.29884, Longitude -89.56870
 Location: ENGLISH BAY
 Area: 31 acres

7.62 MT CO₂/acre/year – 3.45
 13.45 MT CO₂/acre/year – 1.58
 19.36 MT CO₂/acre/year – 7.86

Lease Boundary



Lease Holder: OYSTER EAGLE 10, LLC
 Lease Number: 3259522
 Latitude: 29.22228, Longitude -90.64122
 Location: BAY WELSH
 Area: 19 acres

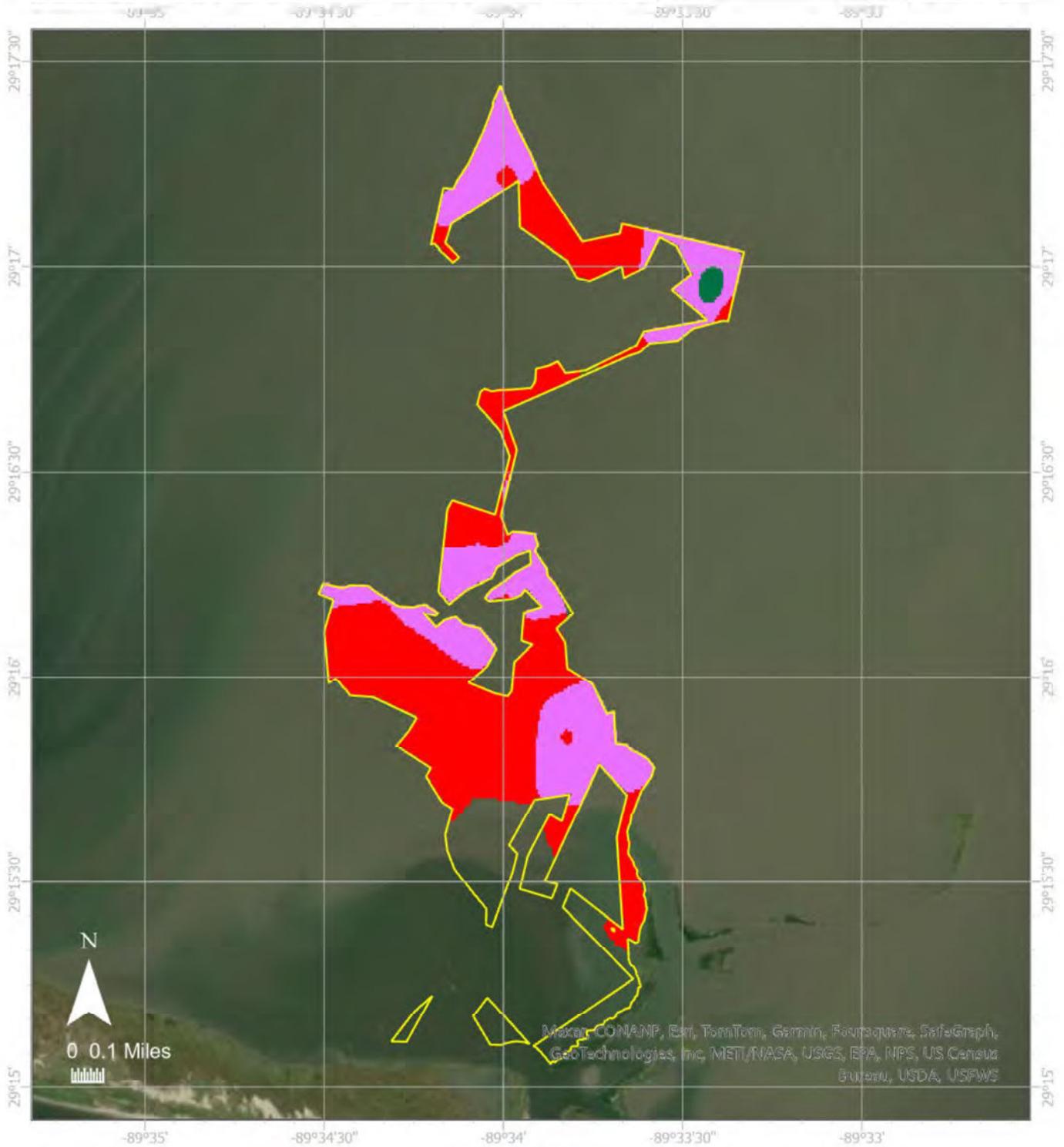
7.62 MT CO₂/acre/year – 7.04

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

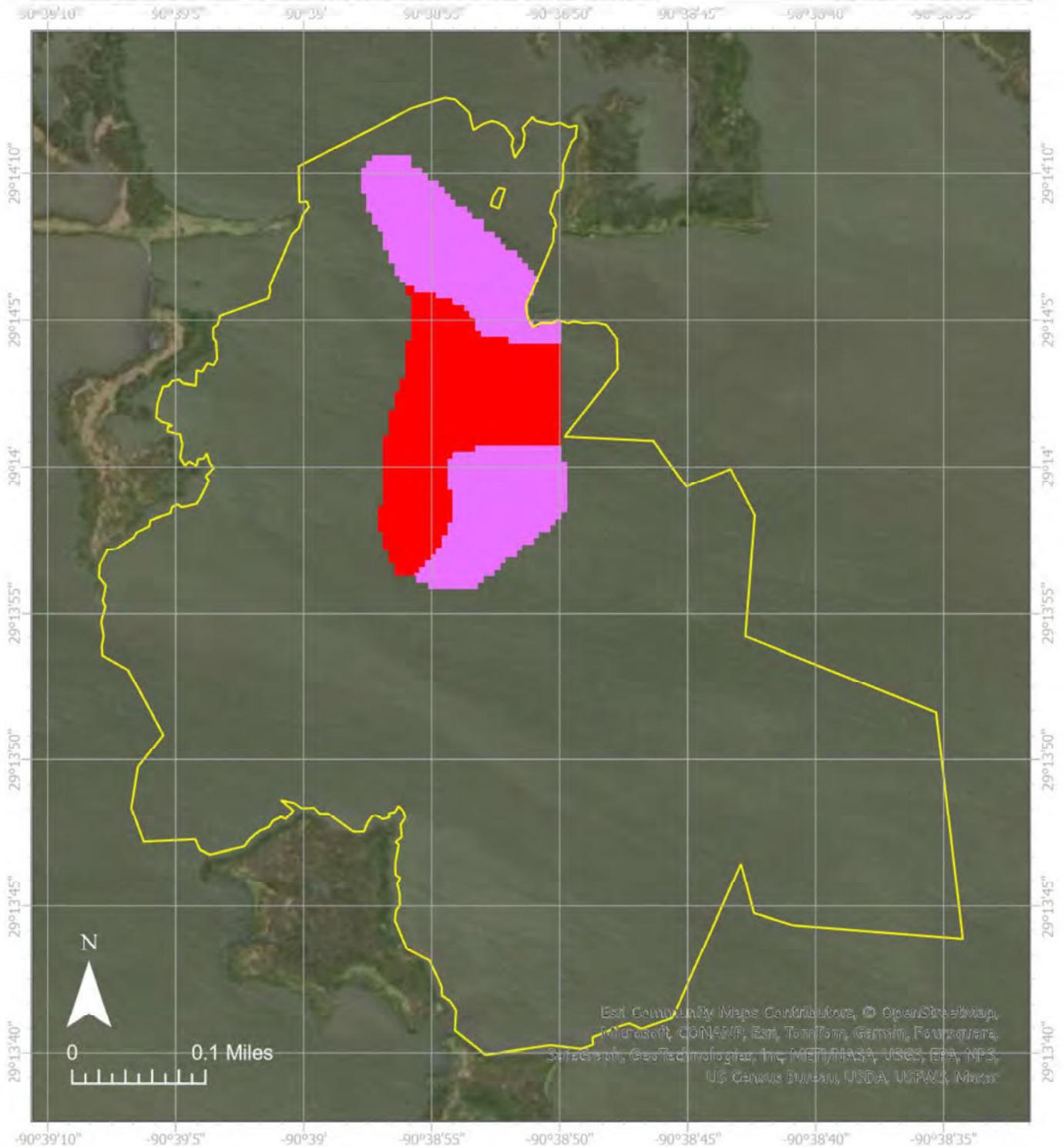
Lease Boundary





Lease Holder: G. I. JOE, INC.
 Lease Number: 3283422
 Latitude: 29.26615, Longitude -89.57031
 Location: BAYS, BAYOUS EAST OF ENGLISH BAYOU AND WEST OF SCOFIELD BAYOU. Portion of lease acquired by CPRA.
 Area: 430 acres

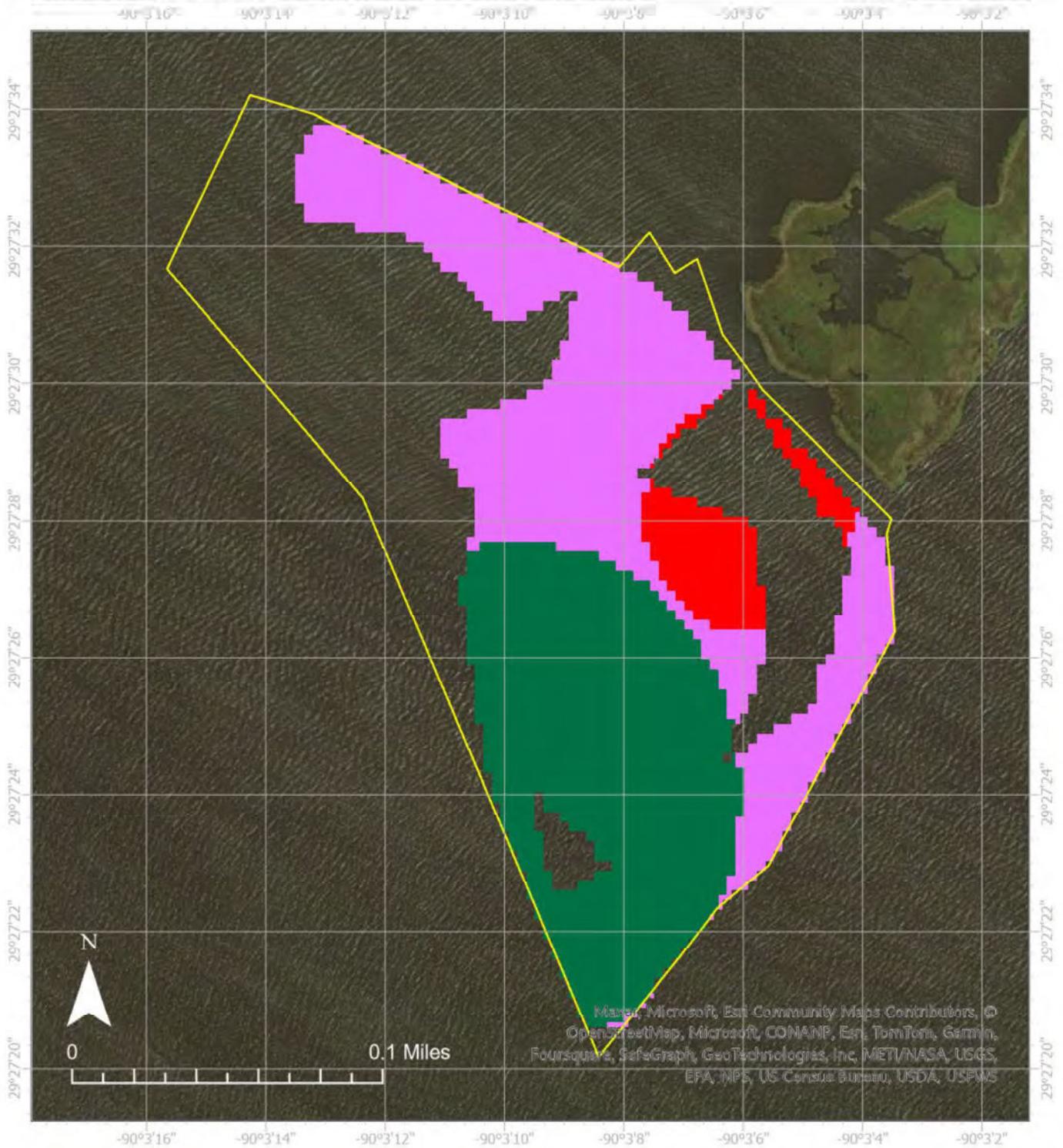
7.62 MT CO ₂ /acre/year – 220.04	
13.45 MT CO ₂ /acre/year – 135.12	
19.36 MT CO ₂ /acre/year – 3.02	
Lease Boundary	



Lease Holder: JPG PREMIUM OYSTERS, LLC
 Lease Number: 3301523
 Latitude: 29.23187, Longitude -90.64792
 Location: EAST BAYOU
 Area: 123 acres

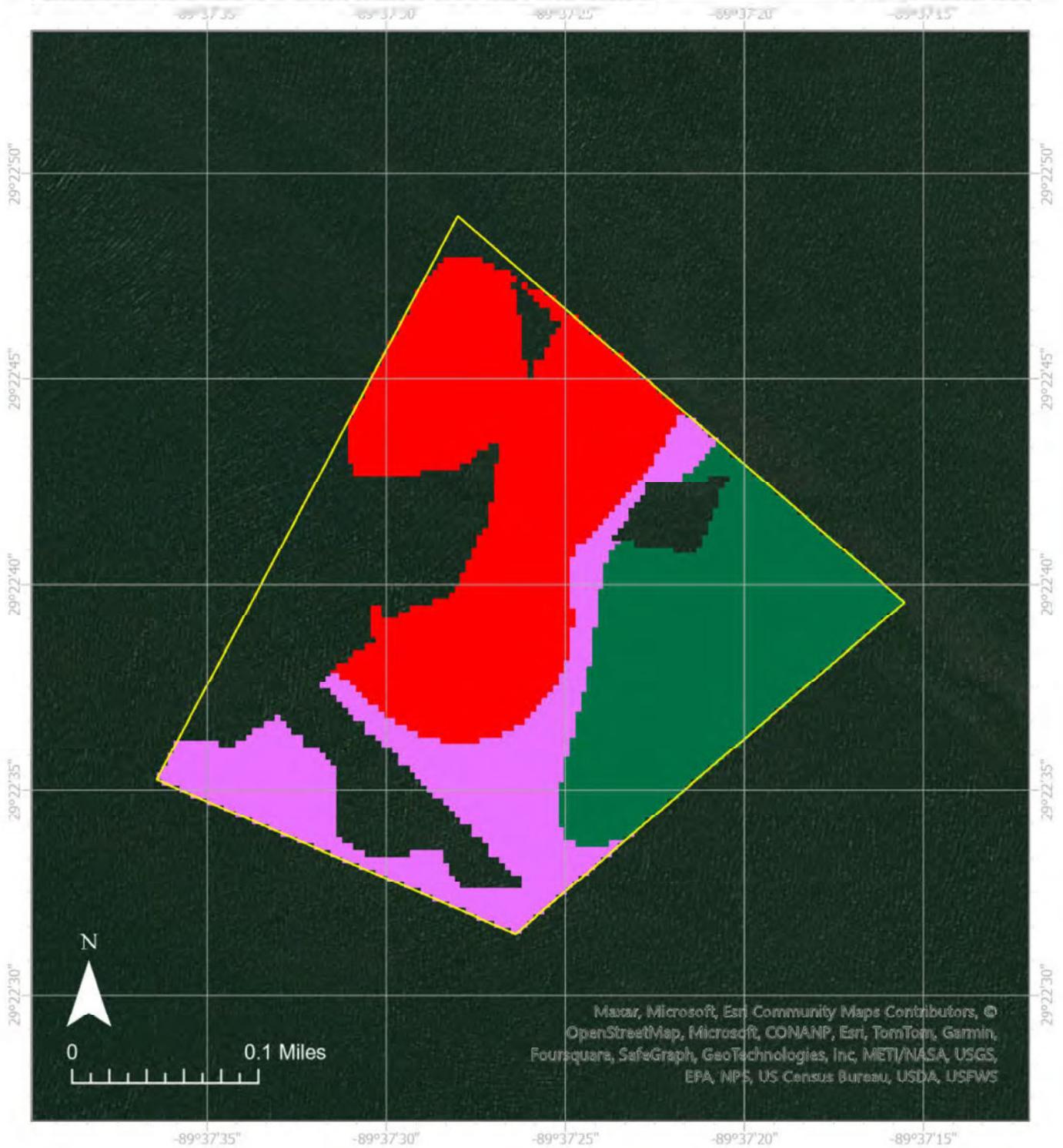
7.62 MT CO₂/acre/year – 8.04
 13.45 MT CO₂/acre/year – 8.21
 19.36 MT CO₂/acre/year –





Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 3319623
 Latitude: 29.45776, Longitude -90.05251
 Location: GRAND BAYOU
 Area: 17 acres

- 7.62 MT CO₂/acre/year – 0.92
- 13.45 MT CO₂/acre/year – 4.92
- 19.36 MT CO₂/acre/year – 4.34
- Lease Boundary



Lease Holder: FOX SEAFOODS, INC.
 Lease Number: 3337823
 Latitude: 29.37760, Longitude -89.62402
 Location: ADAMS BAY
 Area: 39 acres

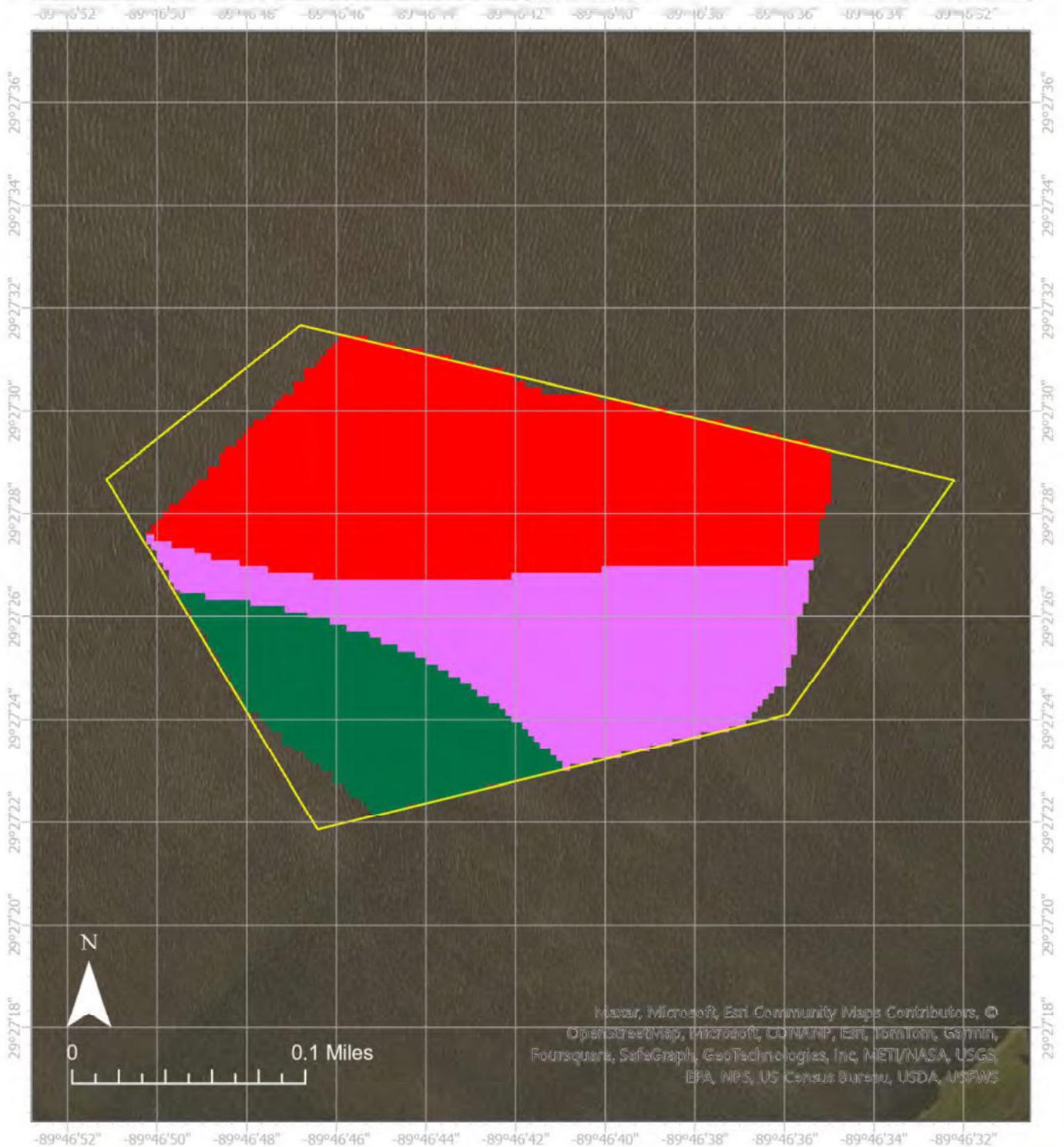
7.62 MT CO₂/acre/year – 12.42

13.45 MT CO₂/acre/year – 6.96

19.36 MT CO₂/acre/year – 9.13

Lease Boundary





Lease Holder: CAPT. PETE'S OYSTER FARM, LLC
 Lease Number: 3368909
 Latitude: 29.45749, Longitude -89.77844
 Location: BAY SANSBOIS
 Area: 24 acres

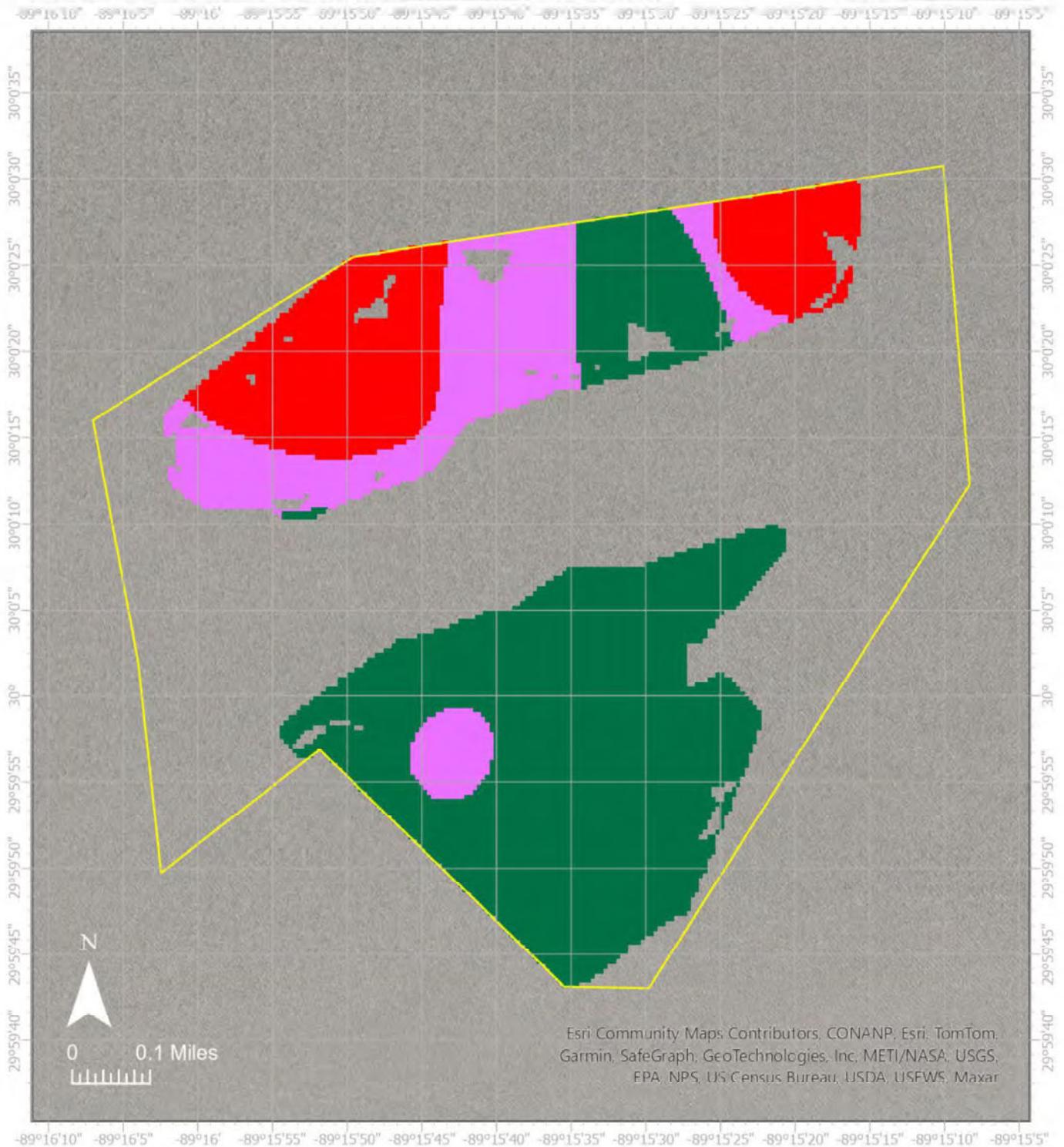
7.62 MT CO₂/acre/year – 10.12

13.45 MT CO₂/acre/year – 6.17

19.36 MT CO₂/acre/year – 3.48

Lease Boundary

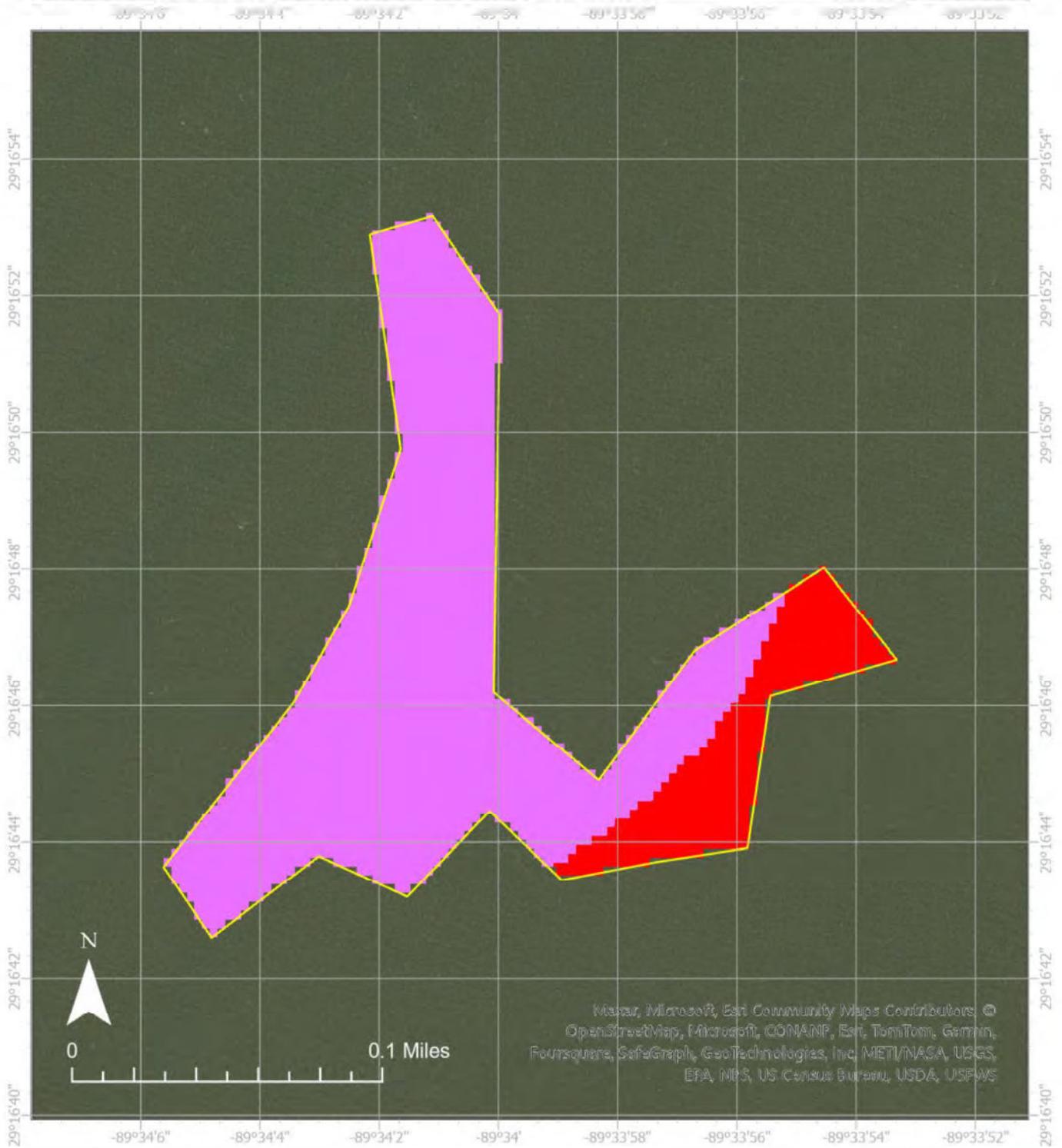




Lease Holder: PEARL RIVER FISHERIES OF LOUISIANA, L.L.C.
 Lease Number: 3386809
 Latitude: 30.00251, Longitude -89.26016
 Location: WEST KARAKO BAY
 Area: 382 acres

7.62 MT CO₂/acre/year – 41.38
 13.45 MT CO₂/acre/year – 39.09
 19.36 MT CO₂/acre/year – 107.88

Lease Boundary



Lease Holder: DANNELL B. JURISICH
 Lease Number: 3393409
 Latitude: 29.27959, Longitude -89.56673
 Location: SCOFIELD BAY EAST OF ENGLISH BAYOU
 Area: 8 acres

7.62 MT CO₂/acre/year – 1.42

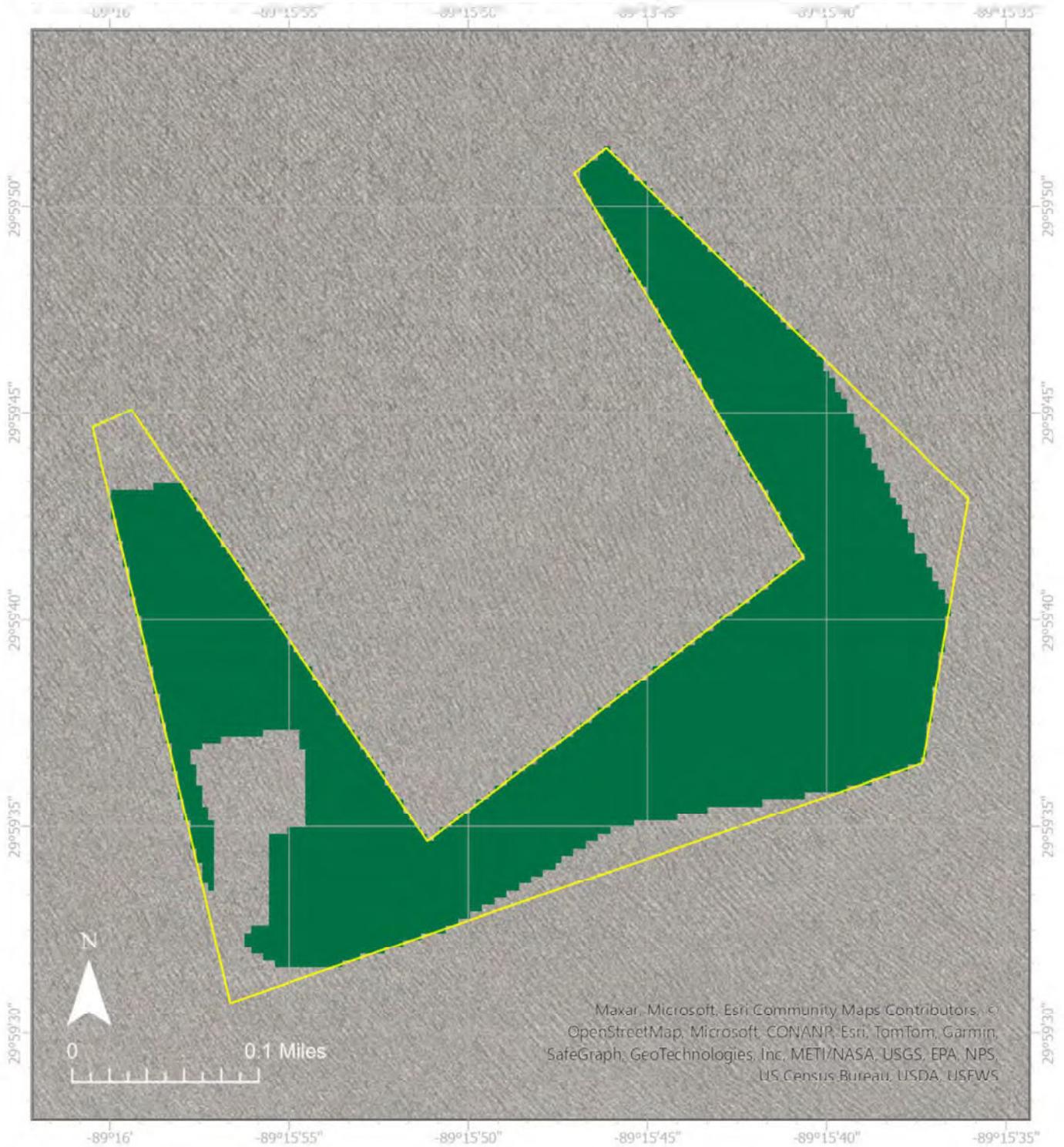
13.45 MT CO₂/acre/year – 6.55

19.36 MT CO₂/acre/year –

Lease Boundary



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Lease Holder: PEARL RIVER FISHERIES OF LOUISIANA, L.L.C.
 Lease Number: 3404009
 Latitude: 29.99383, Longitude -89.26171
 Location: WEST KARAKO BAY
 Area: 33 acres

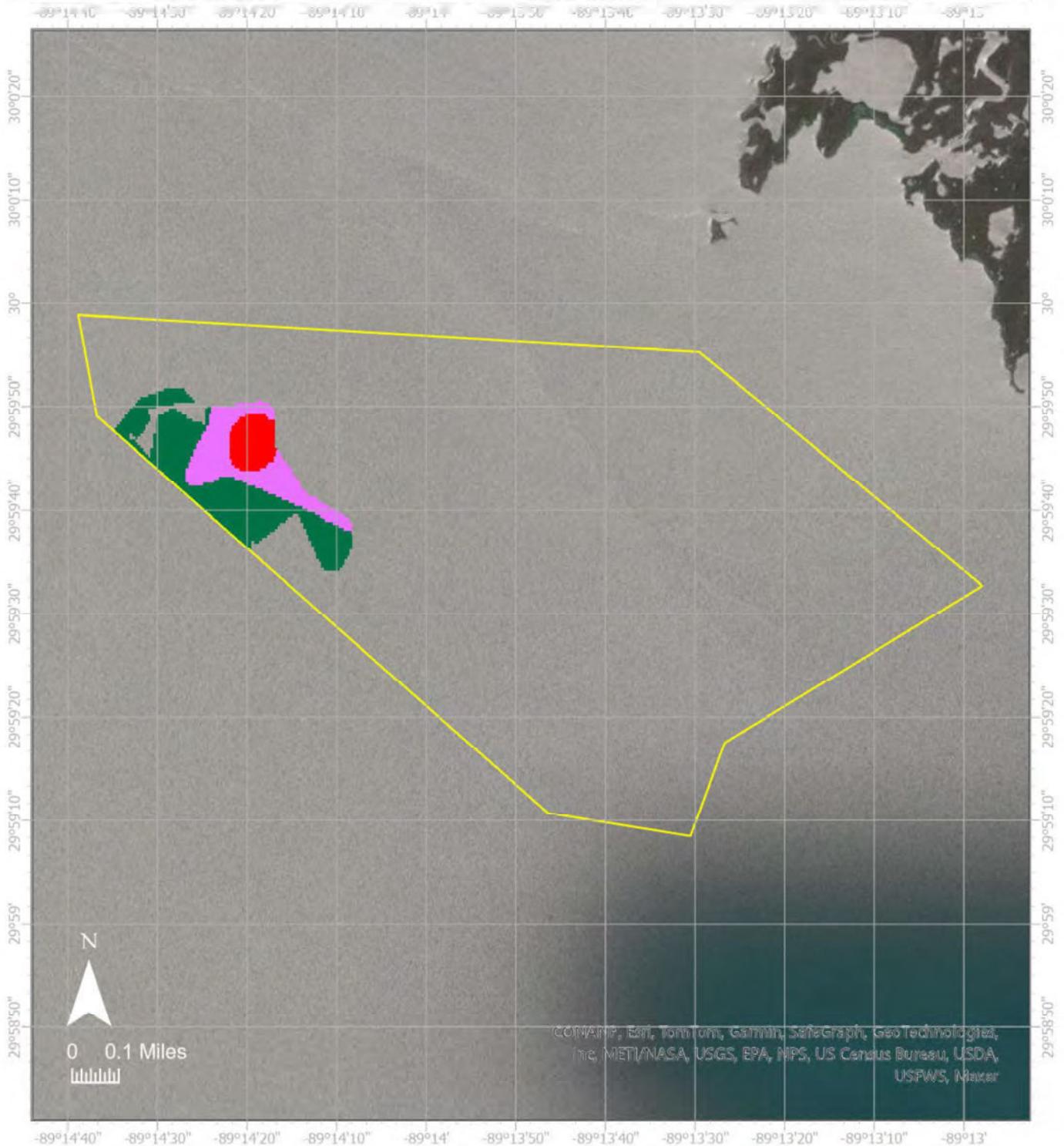
7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year – 26.86

Lease Boundary





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Lease Holder: BAYOU CARLIN FISHERIES, INC.
 Lease Number: 3404709
 Latitude: 29.99375, Longitude -89.22997
 Location: CRANETOWN BAY
 Area: 572 acres

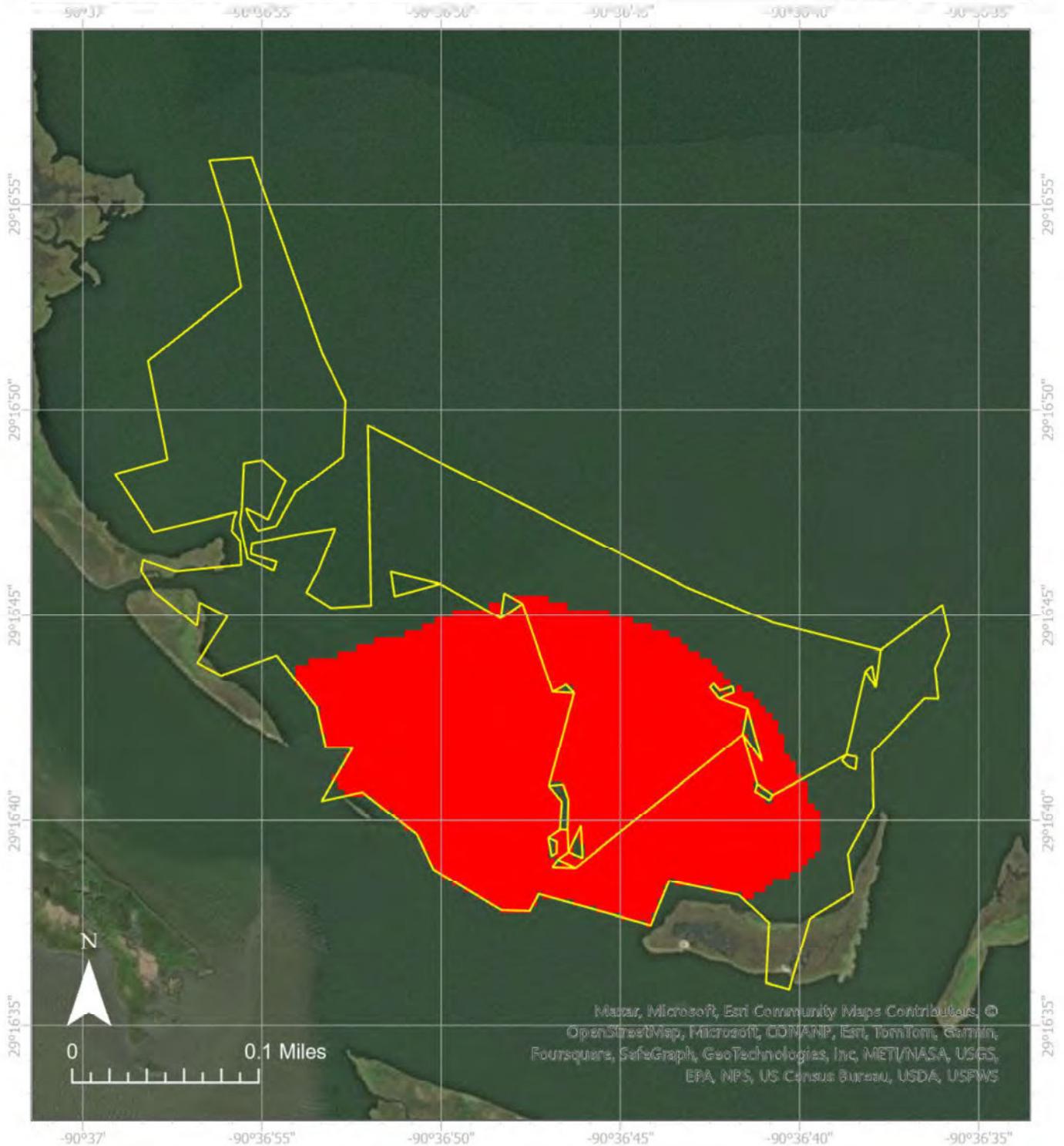
7.62 MT CO₂/acre/year – 5.50

13.45 MT CO₂/acre/year – 12.82

19.36 MT CO₂/acre/year – 22.53

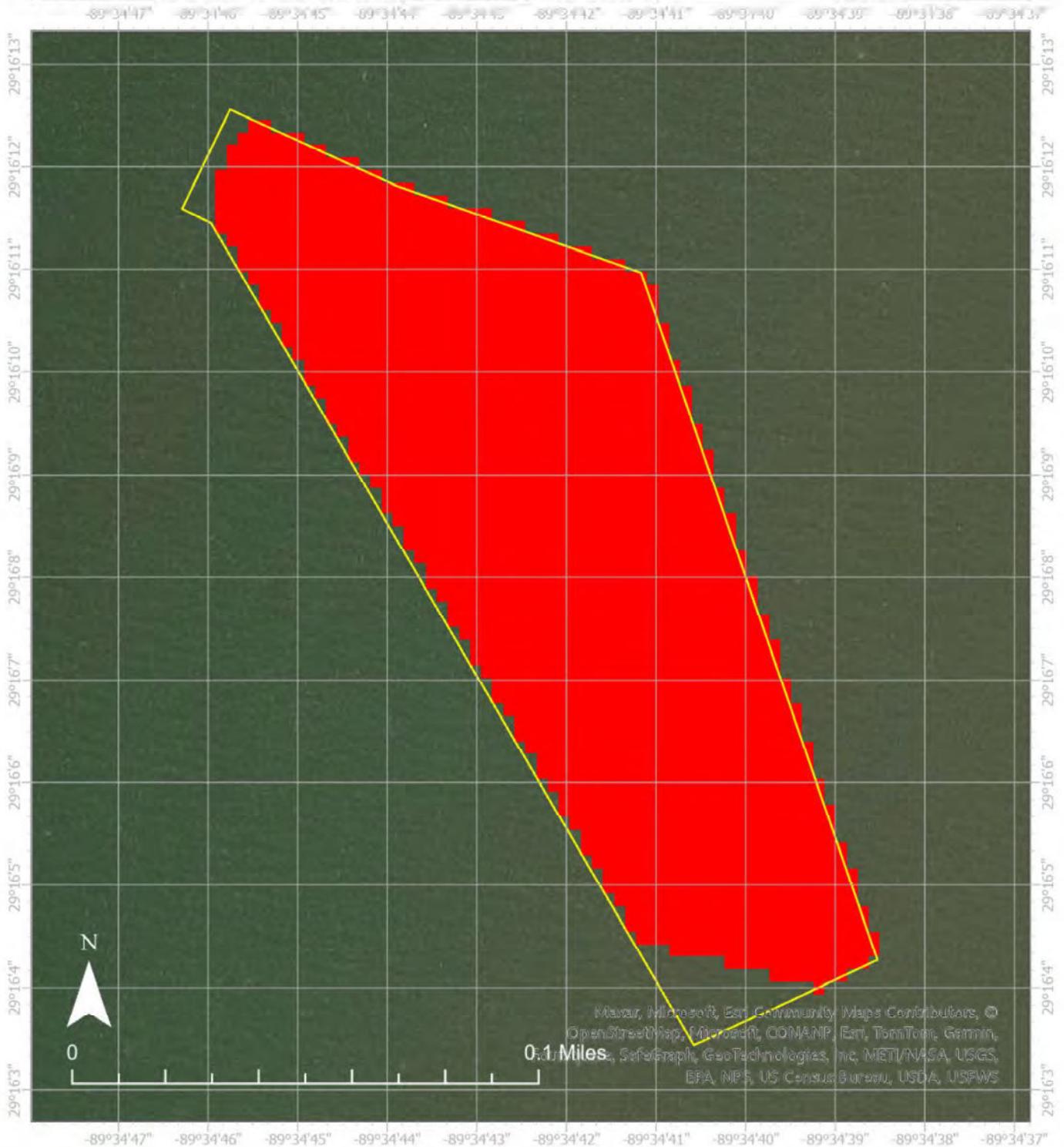
Lease Boundary





Lease Holder: OYSTER EAGLE 7, LLC
 Lease Number: 3407409
 Latitude: 29.27893, Longitude -90.61332
 Location: BAY LA FLEUR BAY LA FLEUR. PORTION OF LEASE ACQUIRED BY CPRA.
 Area: 15 acres

7.62 MT CO ₂ /acre/year – 15.81	
13.45 MT CO ₂ /acre/year –	
19.36 MT CO ₂ /acre/year –	
Lease Boundary	



Lease Holder: GULF STAR OYSTERS, INC.
 Lease Number: 3408609
 Latitude: 29.26895, Longitude -89.57835
 Location: A BAY EAST OF BAYOU FONTANELLE AND NORTH OF THE GULF OF MEXICO
 Area: 6 acres

7.62 MT CO₂/acre/year – 5.62

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: OYSTER EAGLE, L.L.C.
 Lease Number: 3412709
 Latitude: 29.34744, Longitude -89.62692
 Location: A BAYOU WEST OF ADAMS BAY
 Area: 25 acres

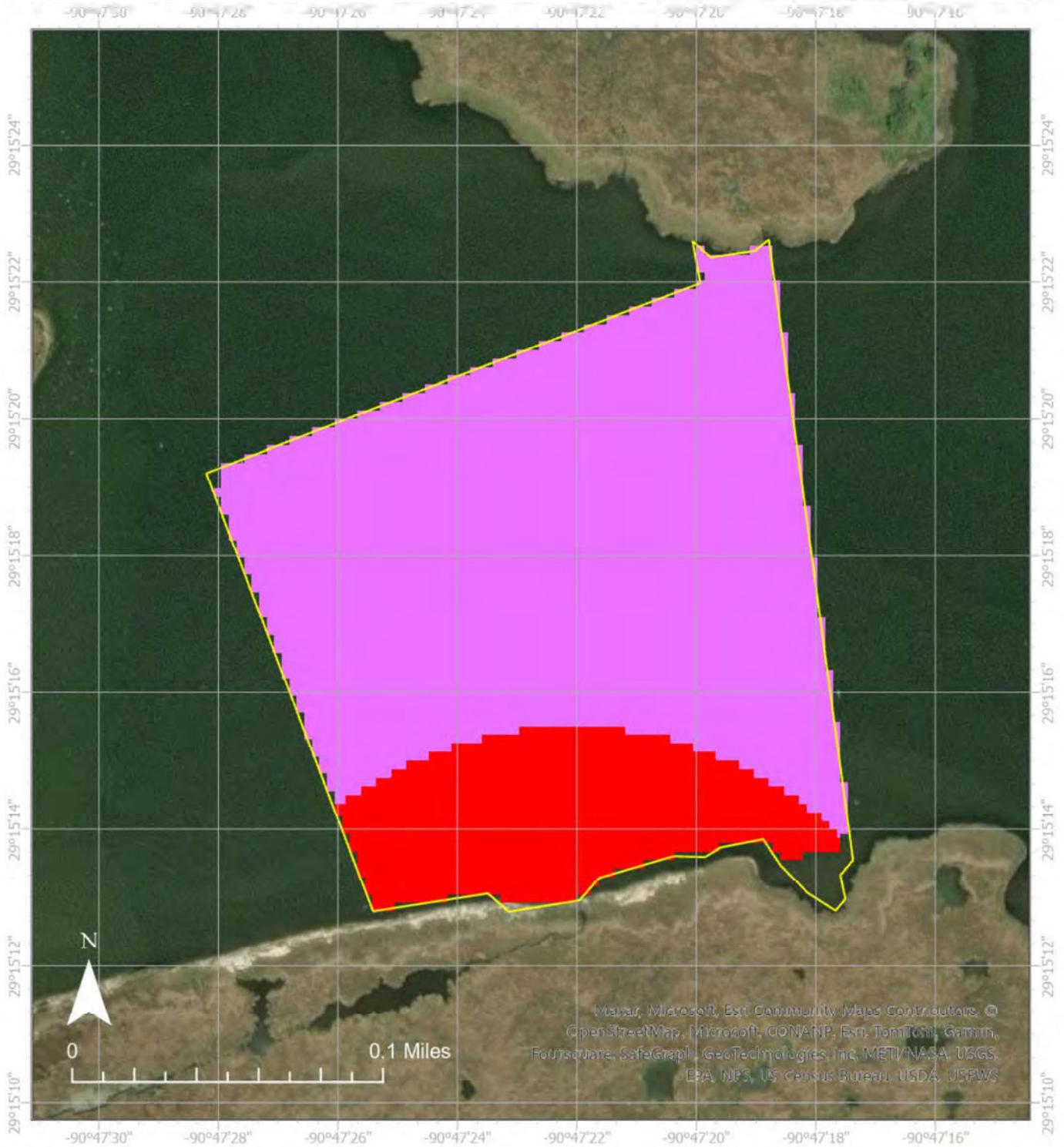
7.62 MT CO₂/acre/year – 8.84

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: JAG OYSTER FARMS, LLC
 Lease Number: 3415010
 Latitude: 29.25478, Longitude -90.78952
 Location: BAYOU GRAND CAILLOU
 Area: 15 acres

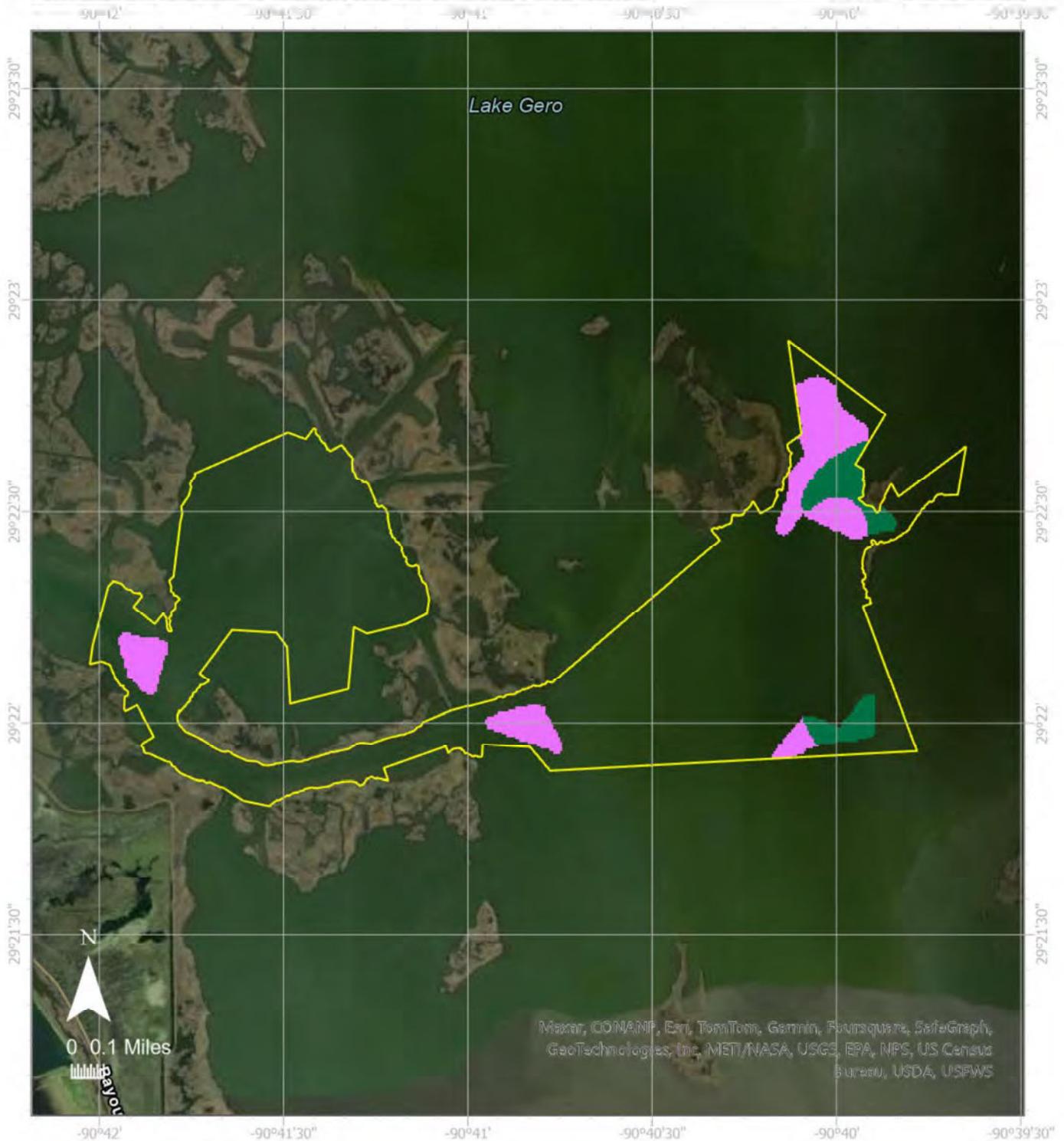
7.62 MT CO₂/acre/year – 3.14

13.45 MT CO₂/acre/year – 11.15

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: JAG OYSTER FARMS, LLC
 Lease Number: 3415410
 Latitude: 29.37014, Longitude -90.67072
 Location: BAYOU DULAC AND LAKE QUITMAN
 Area: 708 acres

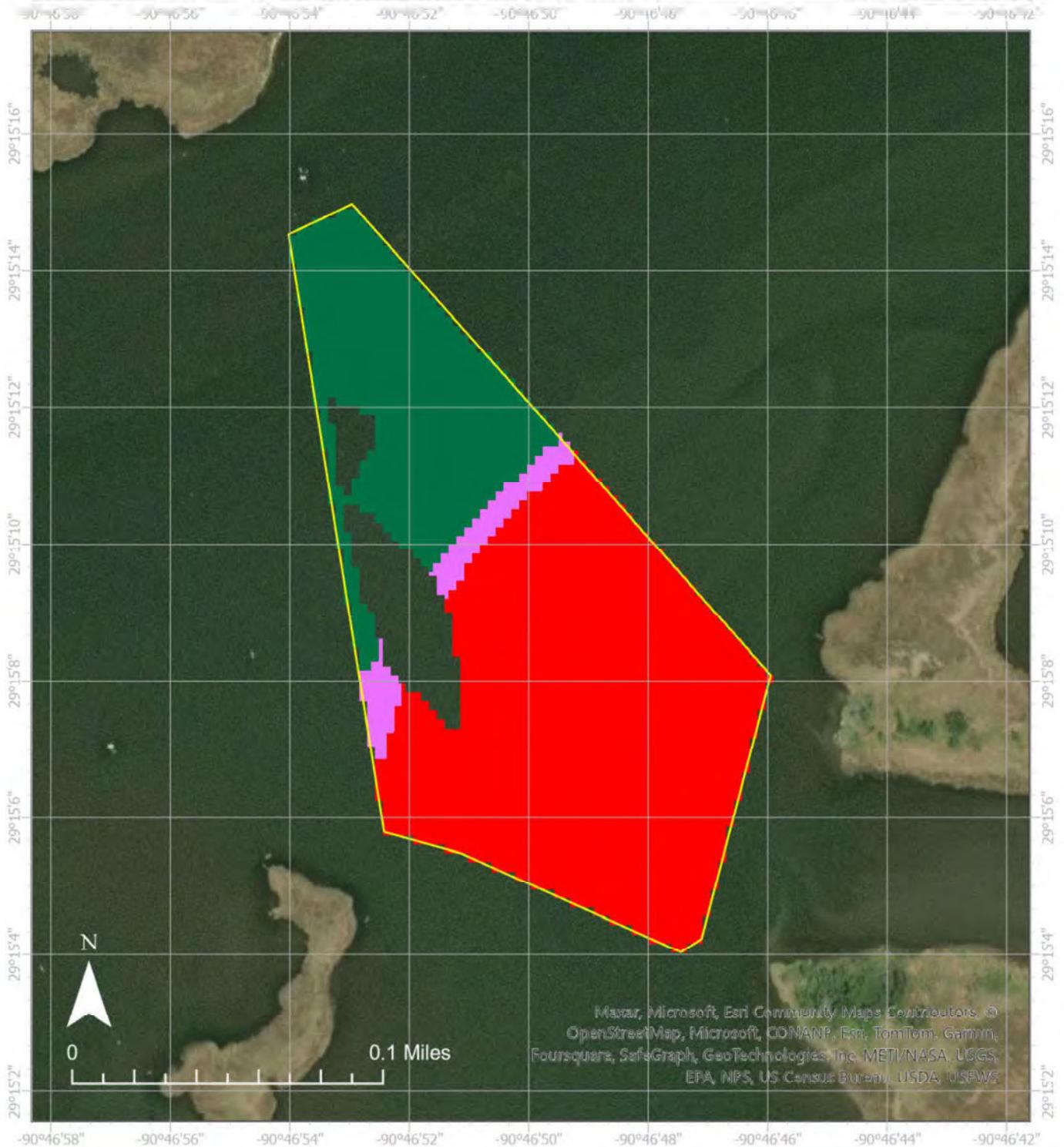
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year - 59.30

19.36 MT CO₂/acre/year - 22.77

Lease Boundary





Lease Holder: JAG OYSTER FARMS, LLC
 Lease Number: 3415710
 Latitude: 29.25248, Longitude -90.78062
 Location: BAYOU GRAND CAILLOU
 Area: 10 acres

7.62 MT CO₂/acre/year – 5.91

13.45 MT CO₂/acre/year – 0.36

19.36 MT CO₂/acre/year – 2.54

Lease Boundary



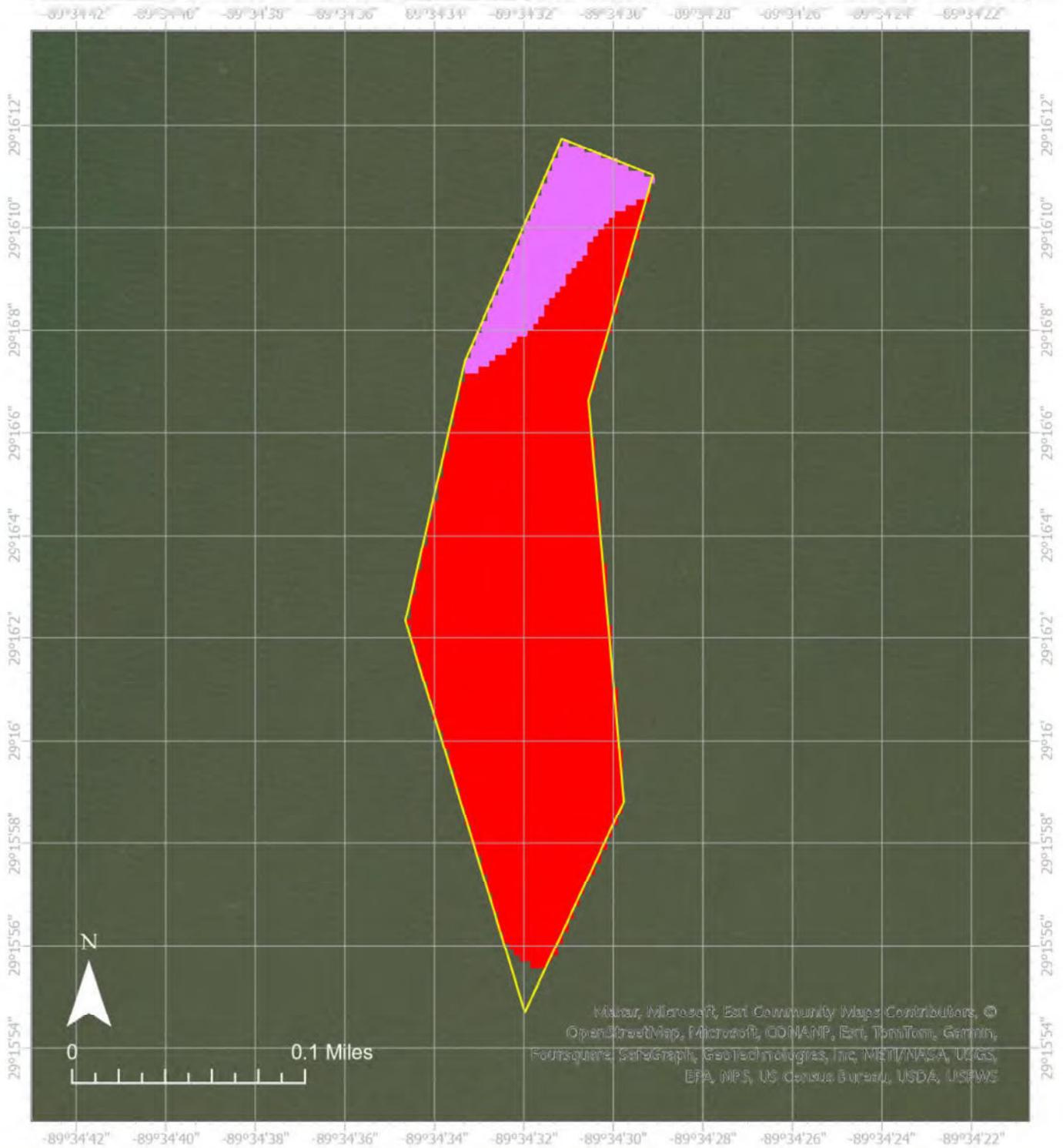


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Lease Holder: MITCHELL B. JURISICH, JR.
 Lease Number: 3431510
 Latitude: 29.33783, Longitude -89.58057
 Location: BAYOU TORTILLON
 Area: 74 acres

7.62 MT CO₂/acre/year – 7.28
 13.45 MT CO₂/acre/year –
 19.36 MT CO₂/acre/year –

	Lease Boundary



Lease Holder: GULF WAVE OYSTERS, INC.
 Lease Number: 3442410
 Latitude: 29.26762, Longitude -89.57551
 Location: ENGLISH BAYOU
 Area: 11 acres

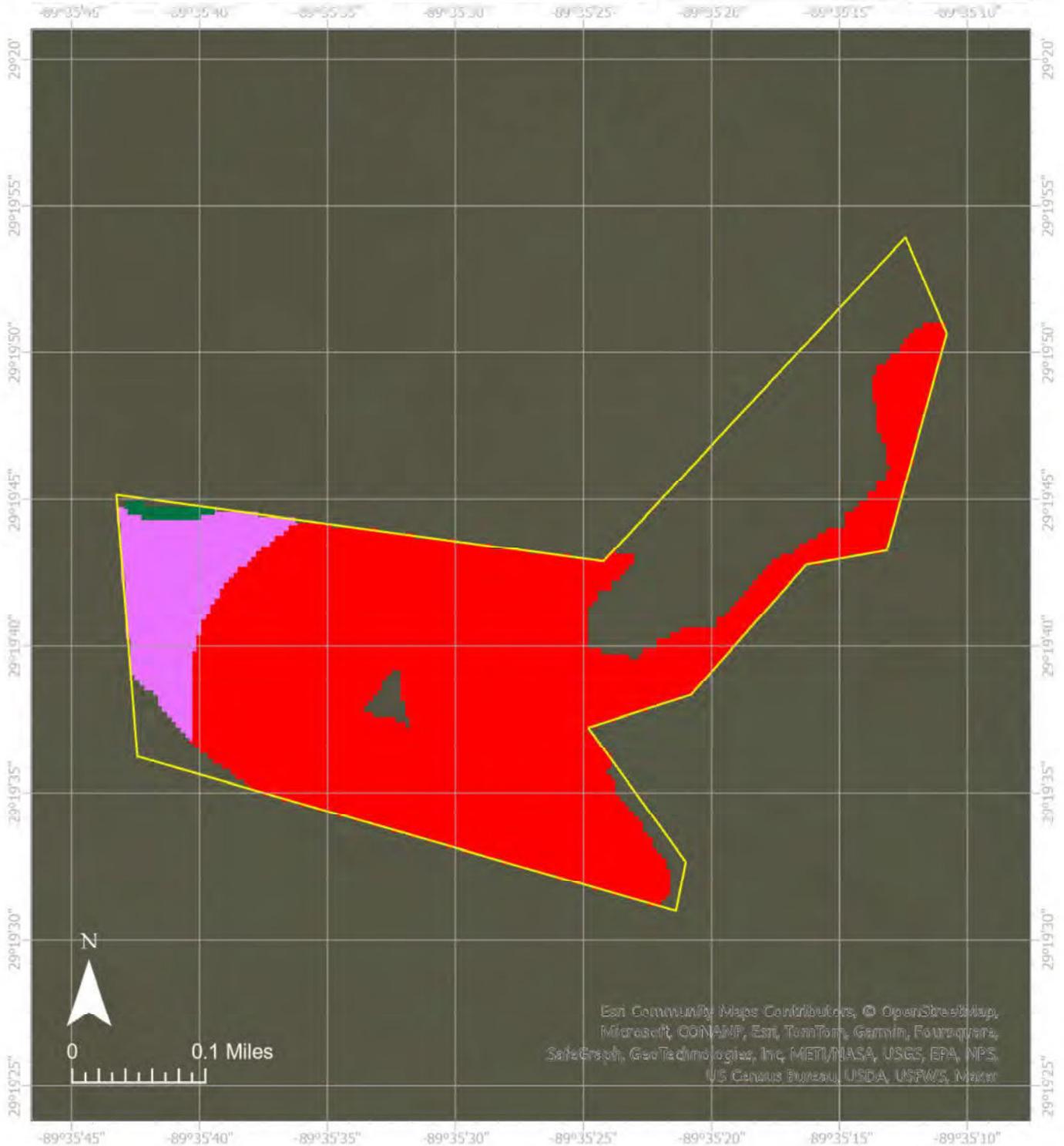
7.62 MT CO₂/acre/year – 9.08

13.45 MT CO₂/acre/year – 1.23

19.36 MT CO₂/acre/year –

Lease Boundary

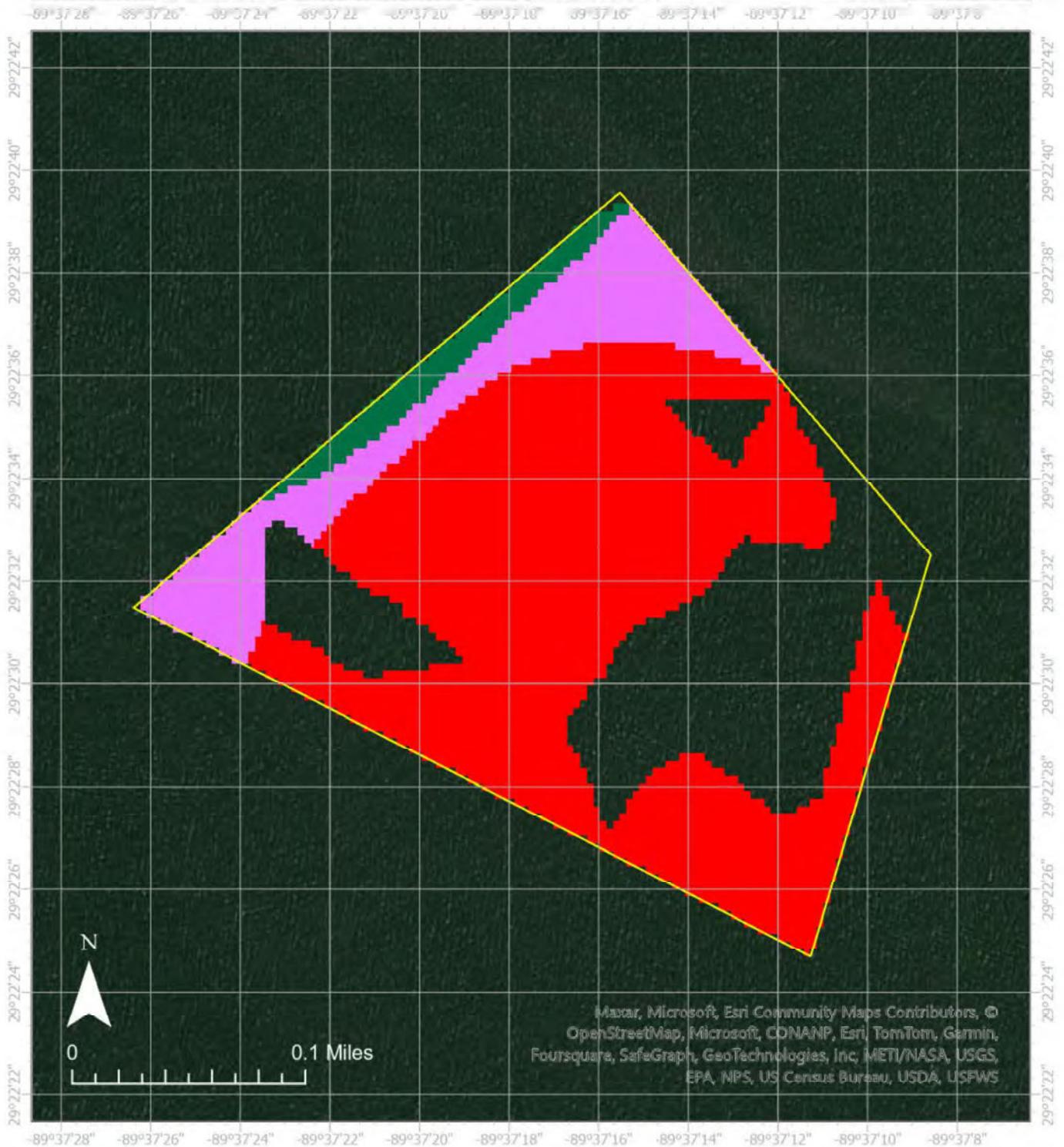




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Lease Holder: BAYOU CANARD, INC.
 Lease Number: 3445210
 Latitude: 29.32801, Longitude -89.59100
 Location: A BAY EAST OF BAYOU LONG AND WEST OF BAYOU TORTILLON
 Area: 61 acres

7.62 MT CO ₂ /acre/year – 38.50	
13.45 MT CO ₂ /acre/year – 4.90	
19.36 MT CO ₂ /acre/year – 0.22	
Lease Boundary	



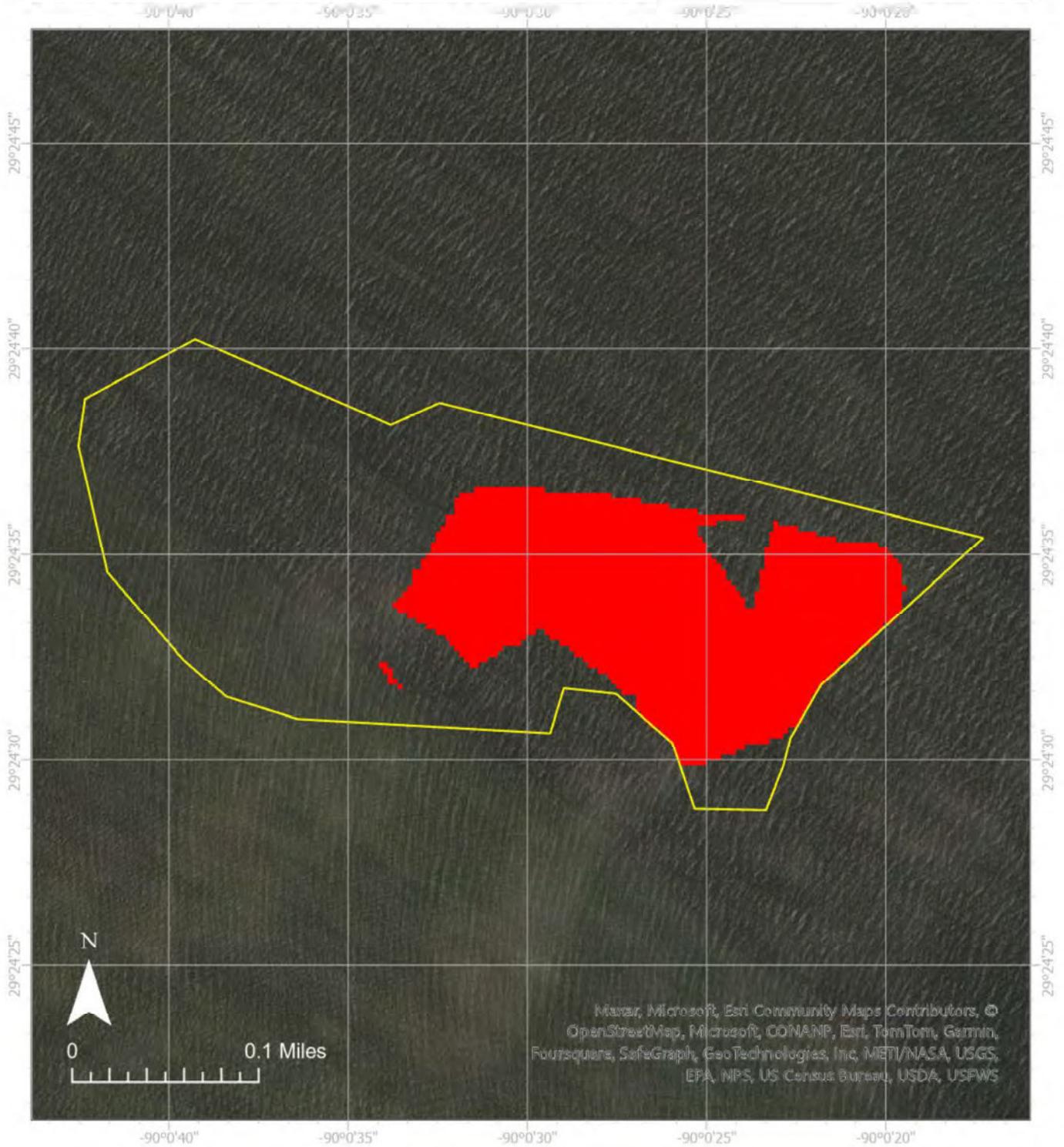
Lease Holder: FOX SEAFOODS, INC.
 Lease Number: 3445410
 Latitude: 29.37556, Longitude -89.62114
 Location: ADAMS BAY
 Area: 28 acres

7.62 MT CO ₂ /acre/year – 15.70	
13.45 MT CO ₂ /acre/year – 3.66	
19.36 MT CO ₂ /acre/year – 0.78	
Lease Boundary	



Lease Holder: LITTLE MITCH, INC.
 Lease Number: 3445810
 Latitude: 29.25611, Longitude -89.56474
 Location: A BAY EAST OF ENGLISH BAYOU AND WEST OF SCOFIELD BAYOU. PORTION OF LEASE ACQUIRED BY CPRA.
 Area: 111 acres

- 7.62 MT CO₂/acre/year – 24.25 █
- 13.45 MT CO₂/acre/year – 2.62 █
- 19.36 MT CO₂/acre/year – █
- Lease Boundary █



Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 3445910
 Latitude: 29.40963, Longitude -90.00868
 Location: BAYOU CHOLAS
 Area: 33 acres

- 7.62 MT CO₂/acre/year – 11.20
- 13.45 MT CO₂/acre/year –
- 19.36 MT CO₂/acre/year –
- Lease Boundary



Lease Holder: GULF OYSTERS IV, INC.
 Lease Number: 3449110
 Latitude: 29.37496, Longitude -89.63620
 Location: ADAMS BAY
 Area: 17 acres

7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year – 2.48

19.36 MT CO₂/acre/year – 5.35

Lease Boundary





Lease Holder: MISHO'S QUALITY OYSTERS, L.L.C.
 Lease Number: 3453410
 Latitude: 29.98935, Longitude -89.28091
 Location: INDIAN MOUND BAY
 Area: 40 acres

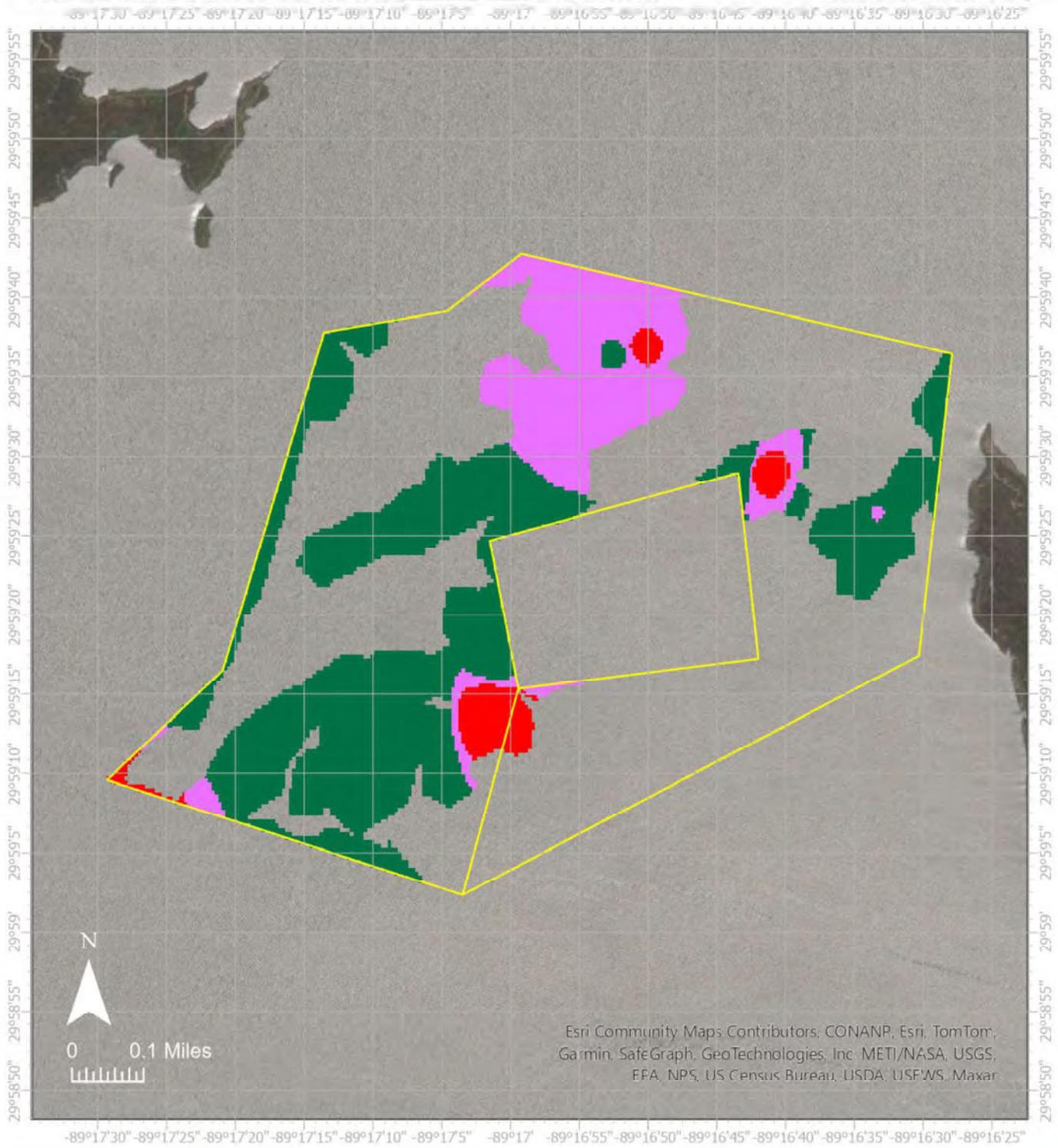
7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year – 2.37

19.36 MT CO₂/acre/year – 7.91

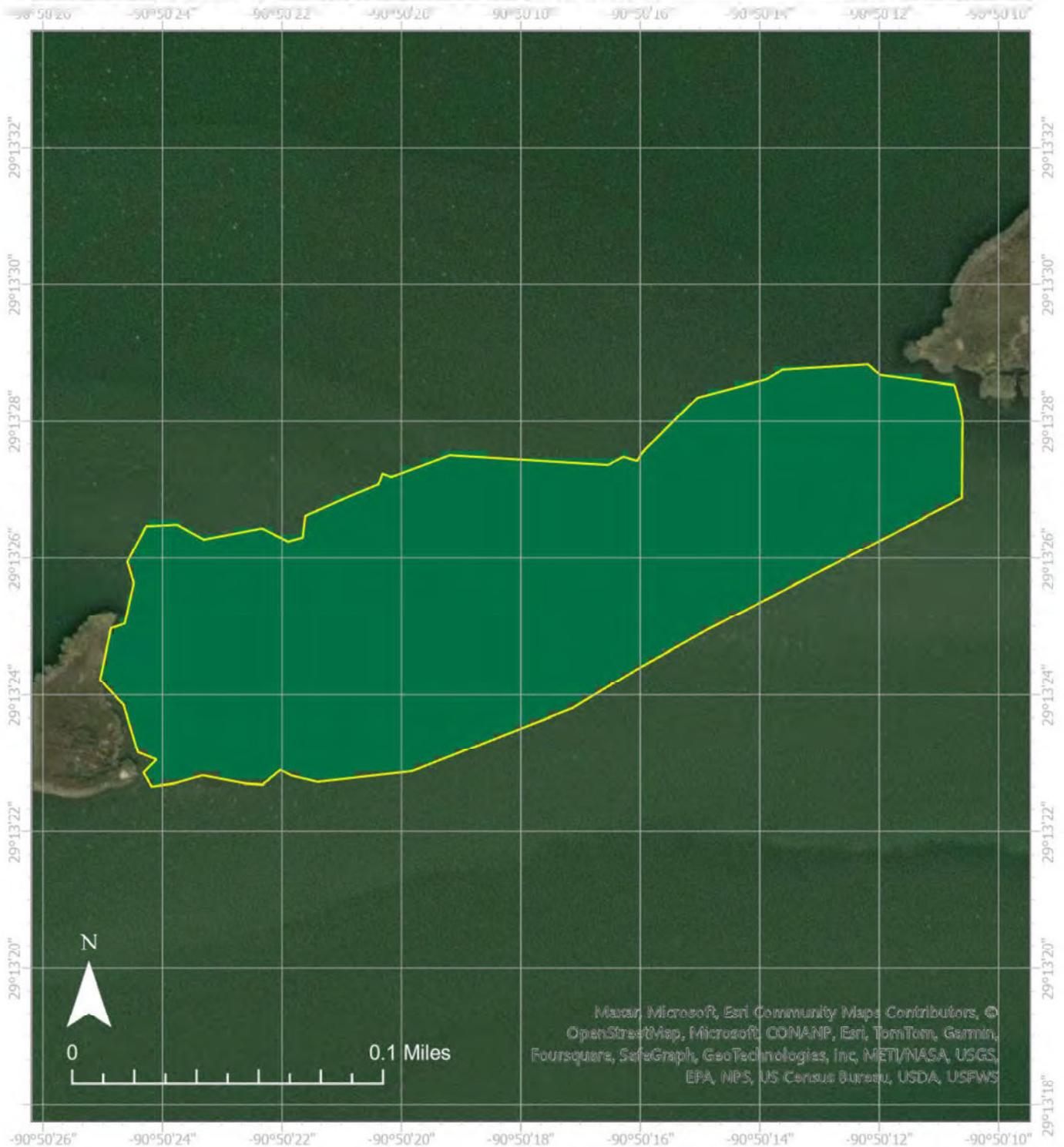
Lease Boundary





Lease Holder: MISHO'S QUALITY OYSTERS, L.L.C.
 Lease Number: 3457510
 Latitude: 29.98915, Longitude -89.28721
 Location: INDIAN MOUND BAY
 Area: 281 acres

- 7.62 MT CO₂/acre/year – 7.92
- 13.45 MT CO₂/acre/year – 32.62
- 19.36 MT CO₂/acre/year – 75.48
- Lease Boundary



Lease Holder: JAG OYSTER FARMS, LLC
 Lease Number: 3459010
 Latitude: 29.22380, Longitude -90.83838
 Location: A BAY NORTH OF BAYOU GRAND CAILLOU
 Area: 10 acres

7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year – 9.90

Lease Boundary





Lease Holder: JURE'S OYSTERS, LLC
 Lease Number: 3463110
 Latitude: 29.97177, Longitude -89.31260
 Location: INDIAN MOUND BAY
 Area: 157 acres

7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year – 50.03

Lease Boundary

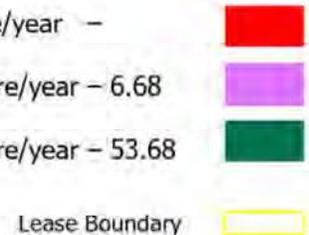


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Lease Holder: JPG OYSTER FARMS, LLC
 Lease Number: 3465010
 Latitude: 29.36035, Longitude -90.60568
 Location: A BAY EAST OF BAYOU TERREBONNE AND WEST OF MADISON BAY. PORTION OF LEASE ACQUIRED BY CPRA.
 Area: 65 acres

7.62 MT CO₂/acre/year -
 13.45 MT CO₂/acre/year - 6.68
 19.36 MT CO₂/acre/year - 53.68

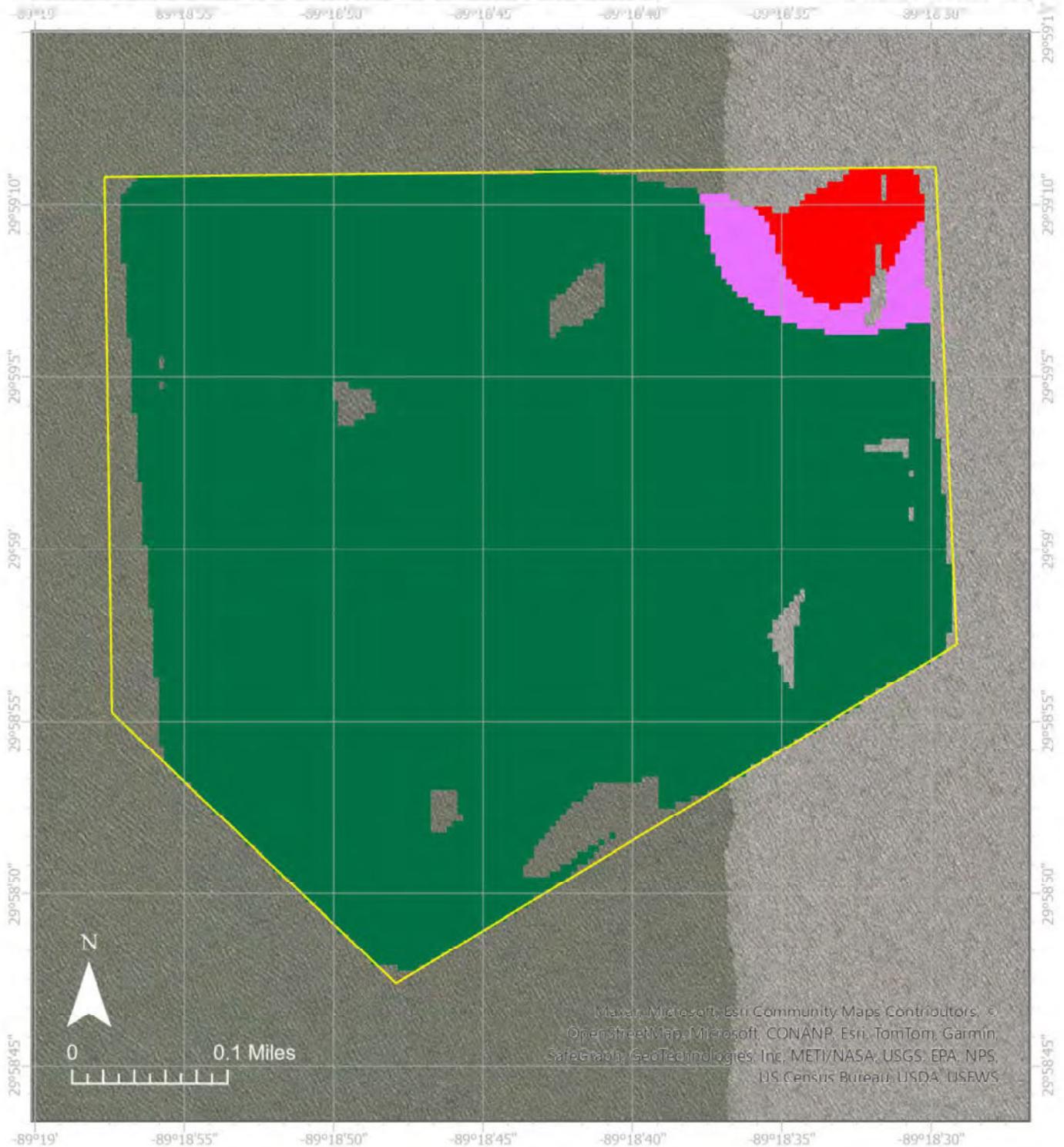




Lease Holder: JEFFERY P. GALLET, JR.
 Lease Number: 3465910
 Latitude: 29.83462, Longitude -89.30386
 Location: WHITE LOG LAKE
 Area: 83 acres

- 7.62 MT CO₂/acre/year – 26.29
- 13.45 MT CO₂/acre/year – 38.32
- 19.36 MT CO₂/acre/year – 4.24
- Lease Boundary

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Lease Holder: BOZIDAR CIBILIC & BOZIDAR J. CIBILIC
 Lease Number: 3466710
 Latitude: 29.98368, Longitude -89.31223
 Location: INDIAN MOUND BAY
 Area: 109 acres

7.62 MT CO₂/acre/year – 3.04

13.45 MT CO₂/acre/year – 2.59

19.36 MT CO₂/acre/year – 94.72

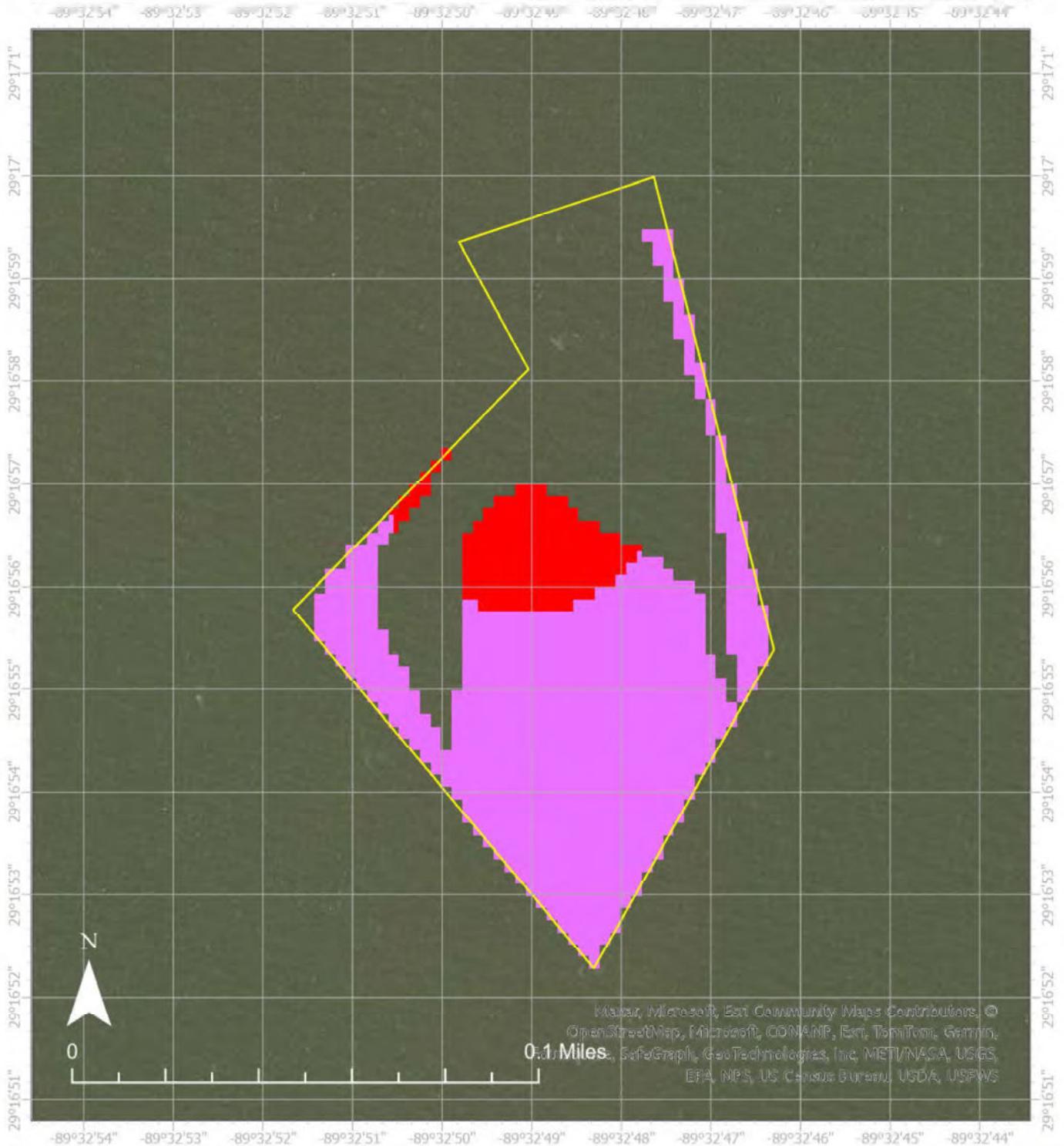
Lease Boundary





Lease Holder: LEPETICH AQUACULTURE, LLC
 Lease Number: 3467010
 Latitude: 29.99068, Longitude -89.31230
 Location: INDIAN MOUND BAY
 Area: 174 acres

- 7.62 MT CO₂/acre/year – 11.12
- 13.45 MT CO₂/acre/year – 24.68
- 19.36 MT CO₂/acre/year – 119.90
- Lease Boundary



Lease Holder: FOX SEAFOODS, INC.
 Lease Number: 3469911
 Latitude: 29.28226, Longitude -89.54684
 Location: BAY CRAPAUD
 Area: 5 acres

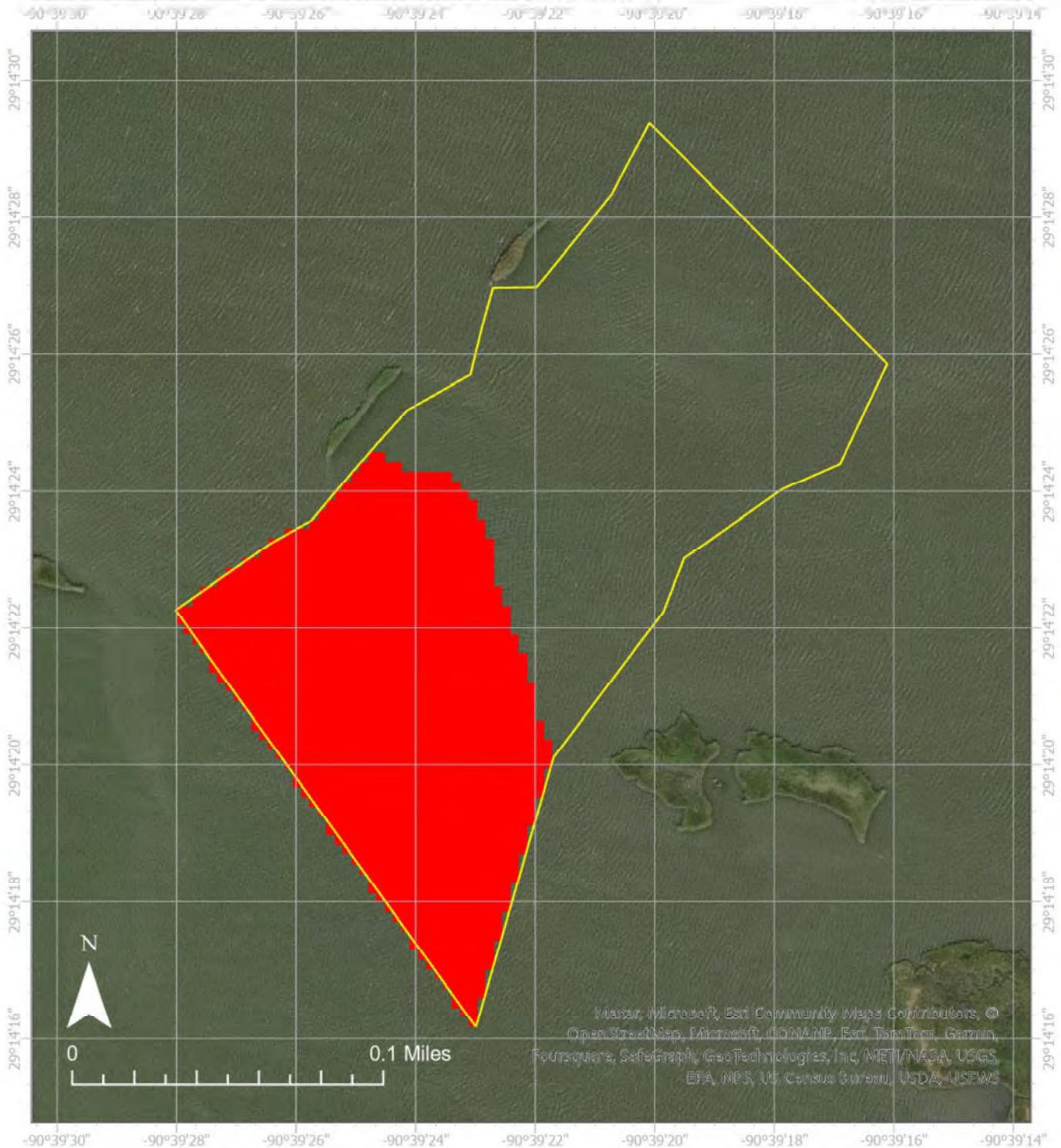
- 7.62 MT CO₂/acre/year – 0.41
- 13.45 MT CO₂/acre/year – 2.09
- 19.36 MT CO₂/acre/year –
- Lease Boundary

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 OpenStreetMap, Microsoft, COMANAF, Esri, TomTom, Garmin,
 SateGraph, GeoTechnologies, Inc, METI/NASA, USGS,
 EPA, NPS, US Census Bureau, USDA, USFWS



Lease Holder: MITCHELL B. JURISICH, JR.
 Lease Number: 3478011
 Latitude: 29.33421, Longitude -89.57883
 Location: A BAY EAST OF BAYOU TORTILLON
 Area: 12 acres

- 7.62 MT CO₂/acre/year – 10.25
- 13.45 MT CO₂/acre/year – 0.21
- 19.36 MT CO₂/acre/year – 0.36
- Lease Boundary



Lease Holder: OYSTER EAGLE 10, LLC
 Lease Number: 3480211
 Latitude: 29.23979, Longitude -90.65613
 Location: HATCHET BAYOU
 Area: 13 acres

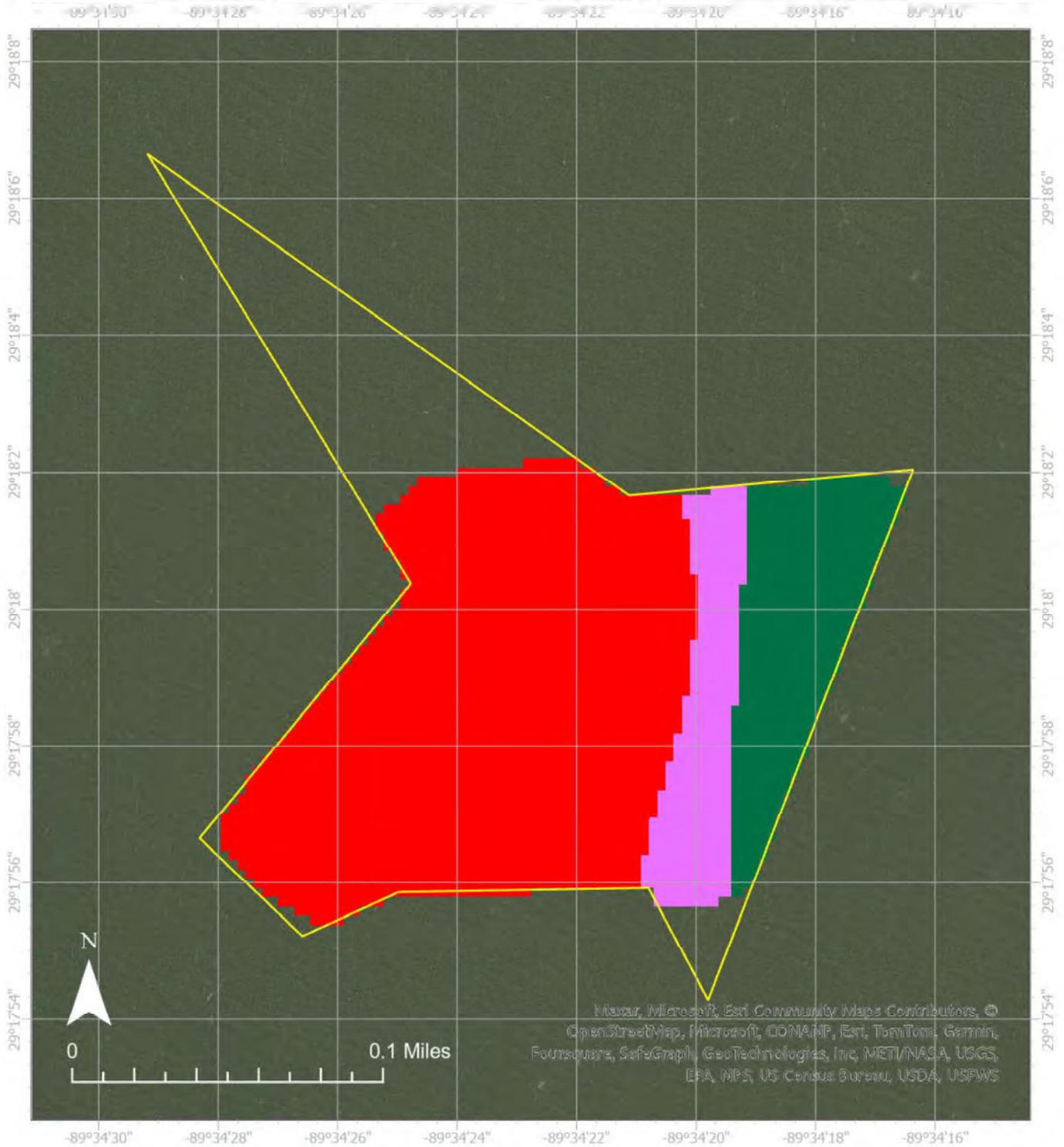
7.62 MT CO₂/acre/year – 5.60

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: OYSTER EAGLE, L.L.C.
 Lease Number: 3520212
 Latitude: 29.29985, Longitude -89.57296
 Location: ENGLISH BAY
 Area: 14 acres

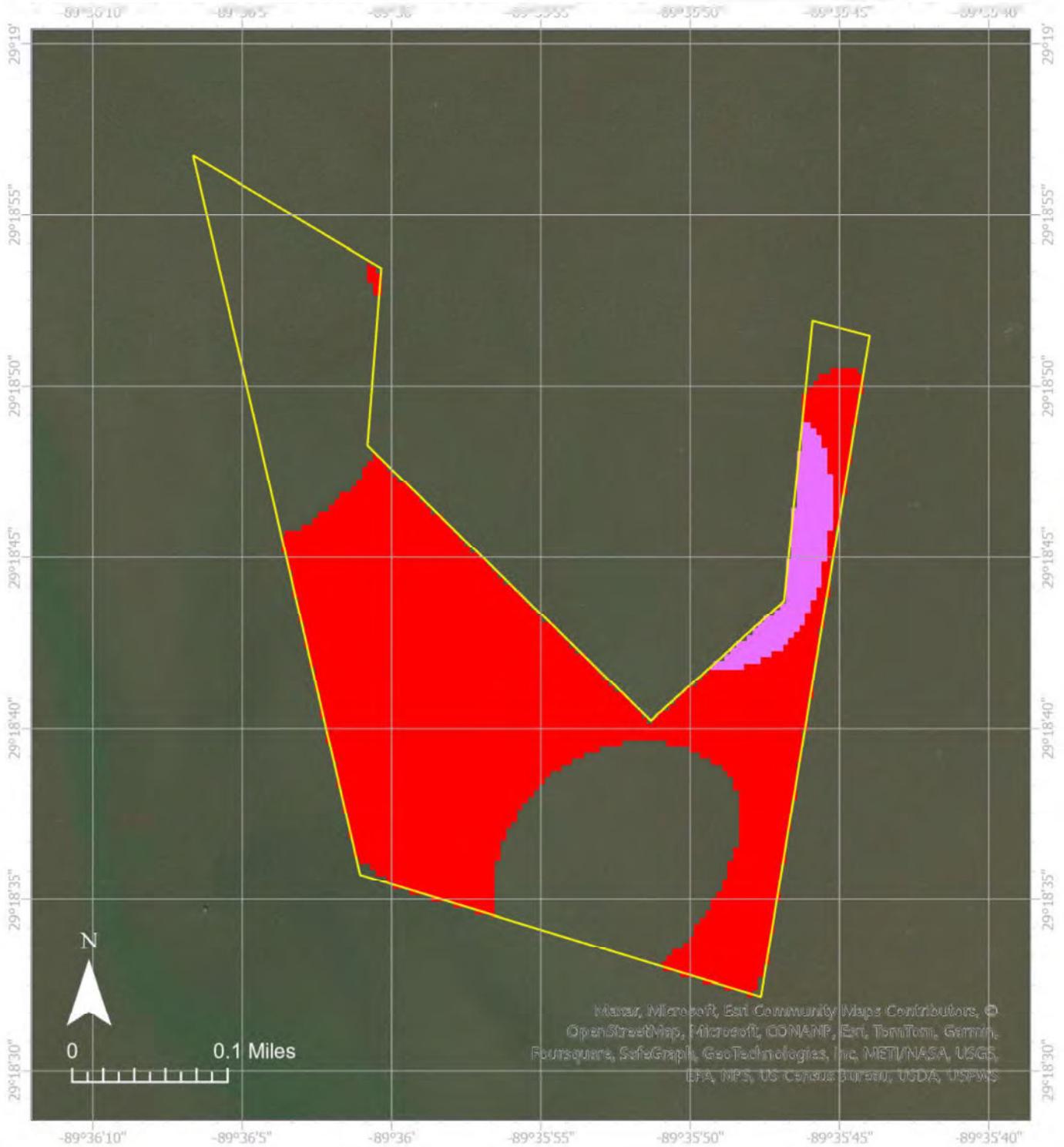
7.62 MT CO₂/acre/year – 7.65

13.45 MT CO₂/acre/year – 1.25

19.36 MT CO₂/acre/year – 1.82

Lease Boundary





Lease Holder: GULF STAR OYSTERS, INC.
 Lease Number: 3524812
 Latitude: 29.31171, Longitude -89.59882
 Location: A BAY EAST OF BAYOU LONG
 Area: 43 acres

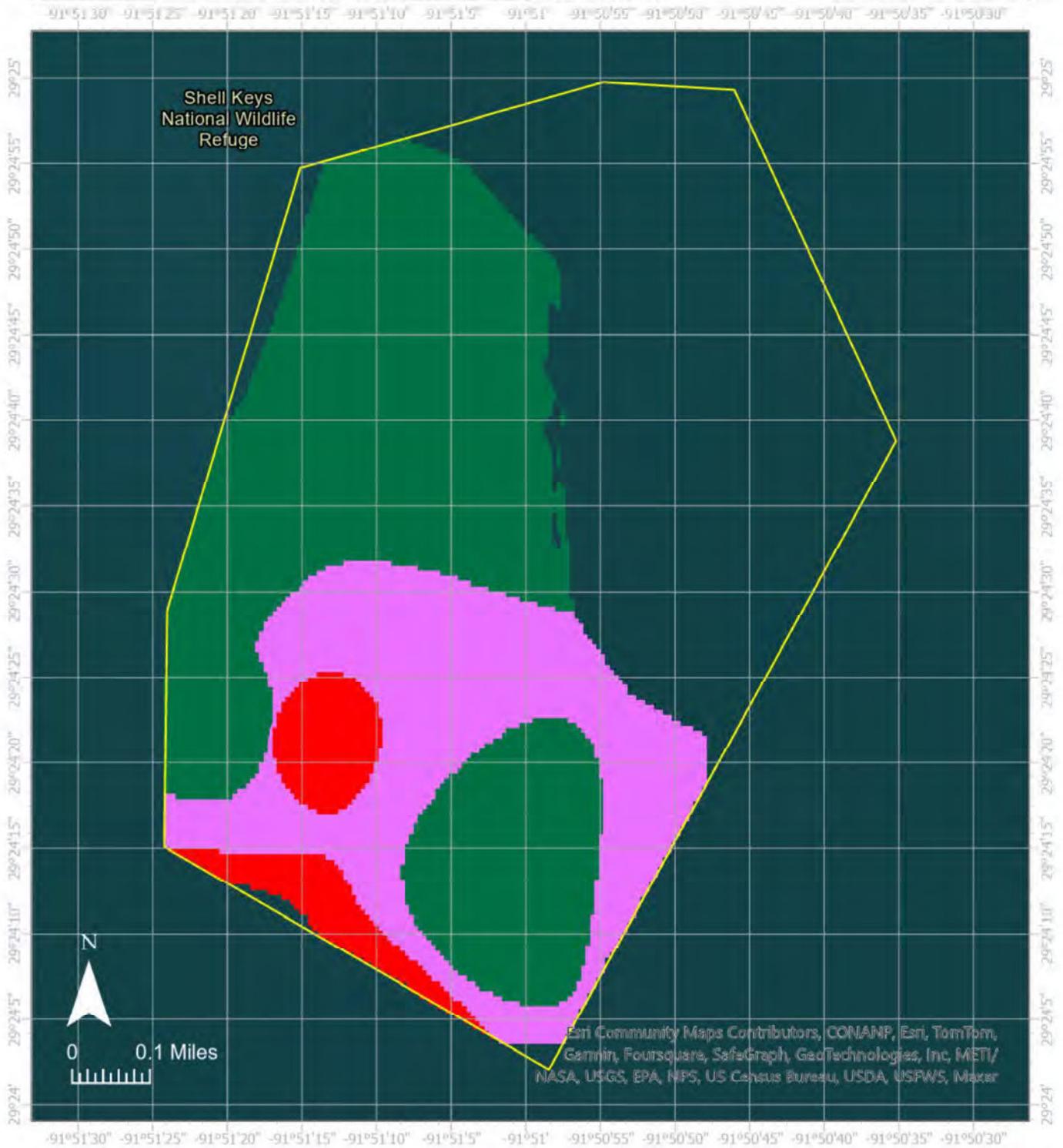
7.62 MT CO₂/acre/year – 24.08

13.45 MT CO₂/acre/year – 1.49

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: GULF OYSTERS I, INC.
 Lease Number: 3549412
 Latitude: 29.40920, Longitude -91.85035
 Location: GULF OF MEXICO
 Area: 390 acres

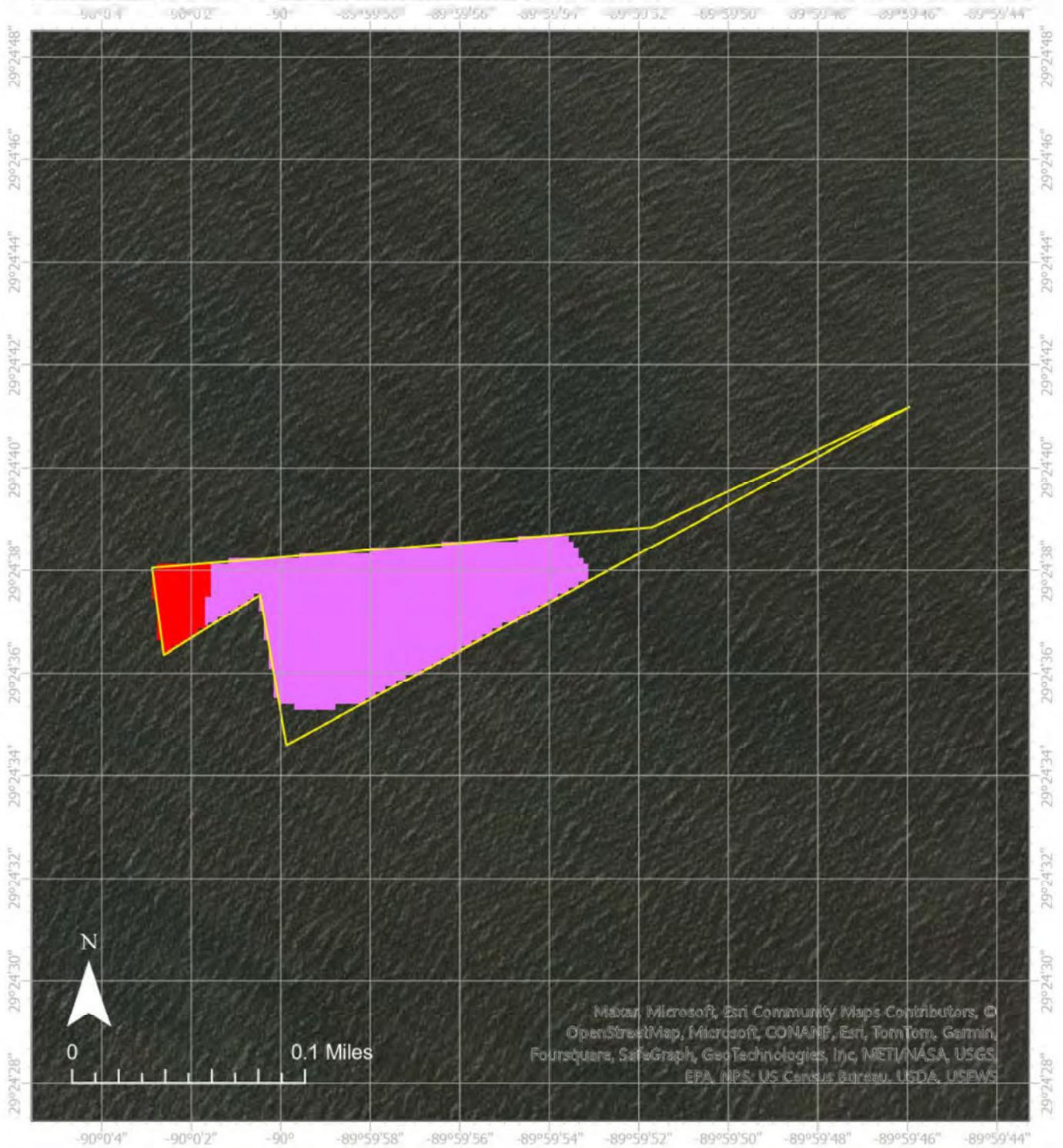
7.62 MT CO₂/acre/year – 20.39

13.45 MT CO₂/acre/year – 76.90

19.36 MT CO₂/acre/year – 148.86

Lease Boundary





Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 3549512
 Latitude: 29.41038, Longitude -89.99926
 Location: BAY CHOLAS
 Area: 5 acres

7.62 MT CO₂/acre/year – 0.37

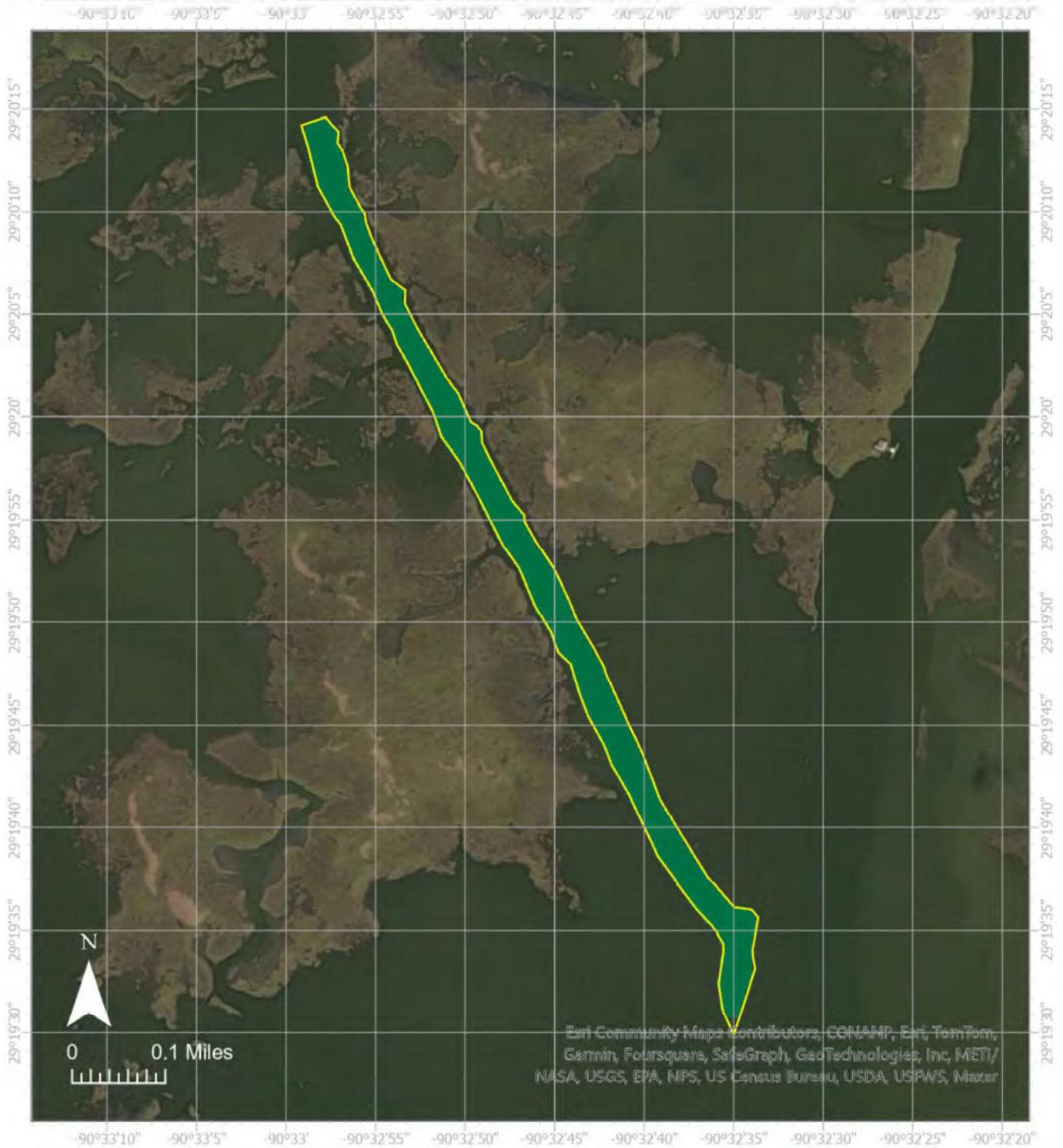
13.45 MT CO₂/acre/year – 3.49

19.36 MT CO₂/acre/year –

Lease Boundary



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 OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin,
 FourSquare, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS,
 EPA, NPS, US Census Bureau, USDA, USFWS

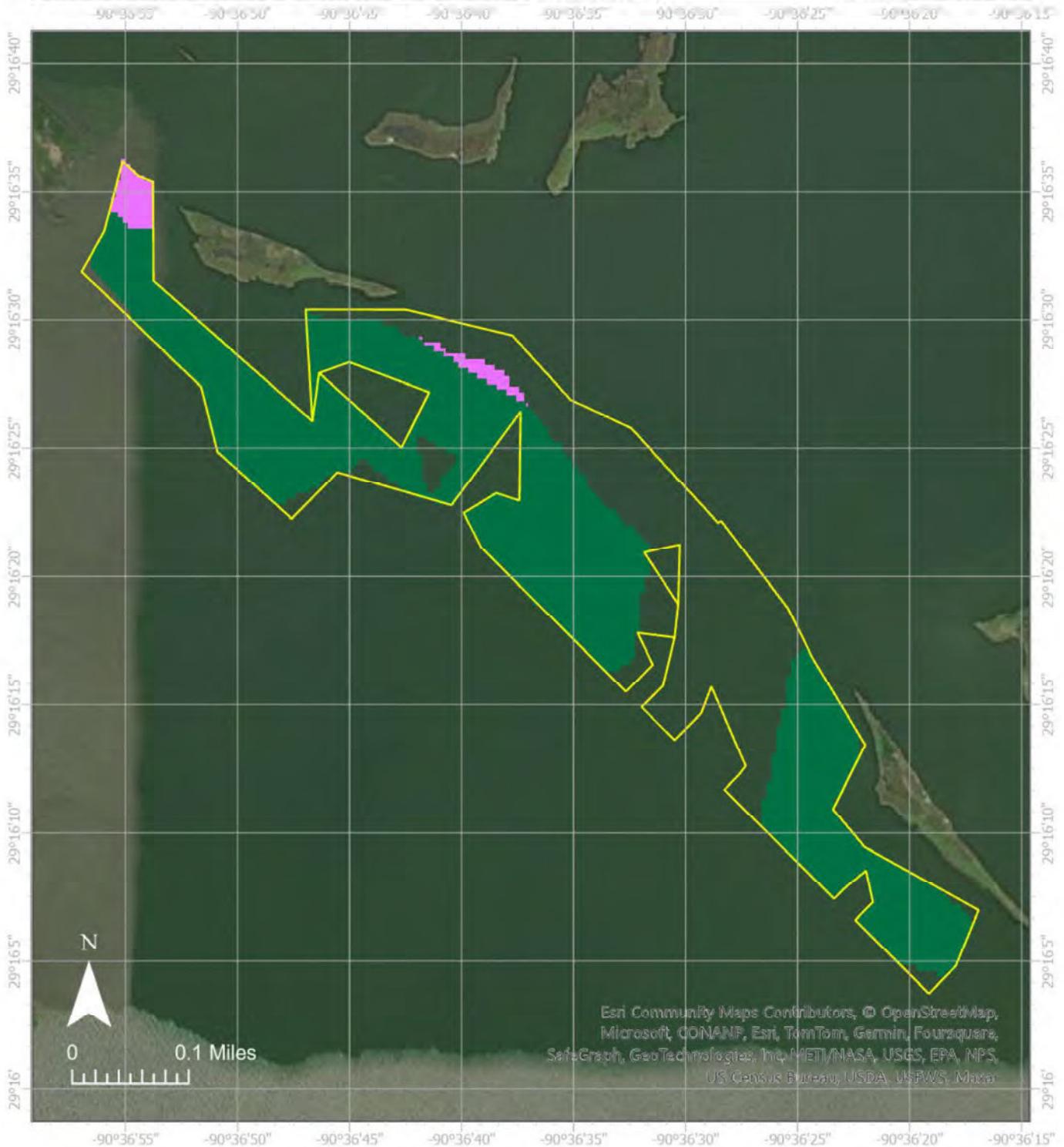


Eri Community Maps Contributors, CONAMP, Eri, TomTom, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Maxar

Lease Holder: ROBIN ANN GUIDRY BILLIOT
 Lease Number: 3551312
 Latitude: 29.33112, Longitude -90.54609
 Location: A BAYOU BETWEEN BAYOU BARRE AND BAYOU DUFRENE
 Area: 17 acres

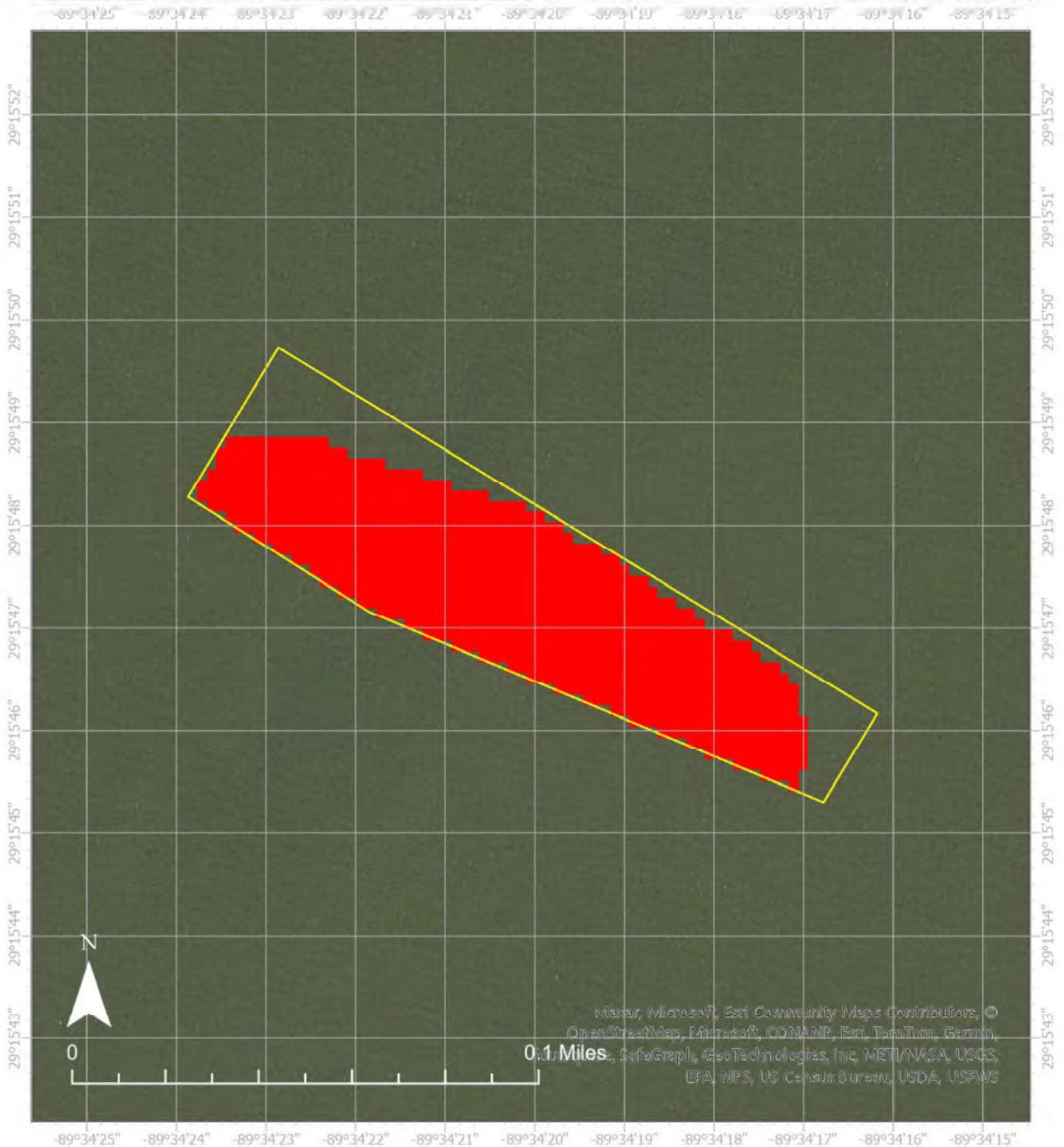
7.62 MT CO₂/acre/year -
 13.45 MT CO₂/acre/year -
 19.36 MT CO₂/acre/year - 16.47

Lease Boundary	



Lease Holder: OYSTER EAGLE 8, LLC
 Lease Number: 3556612
 Latitude: 29.27252, Longitude -90.60988
 Location: A BAY WEST OF BAYOU TERREBONNE
 Area: 51 acres

7.62 MT CO ₂ /acre/year	–	
13.45 MT CO ₂ /acre/year	– 1.37	
19.36 MT CO ₂ /acre/year	– 31.32	
		Lease Boundary



Lease Holder: FRANK J. JURISICH
 Lease Number: 3560012
 Latitude: 29.26318, Longitude -89.57230
 Location: A BAY EAST OF EMPIRE WATERWAY AND WEST OF ENGLISH BAYOU
 Area: 3 acres

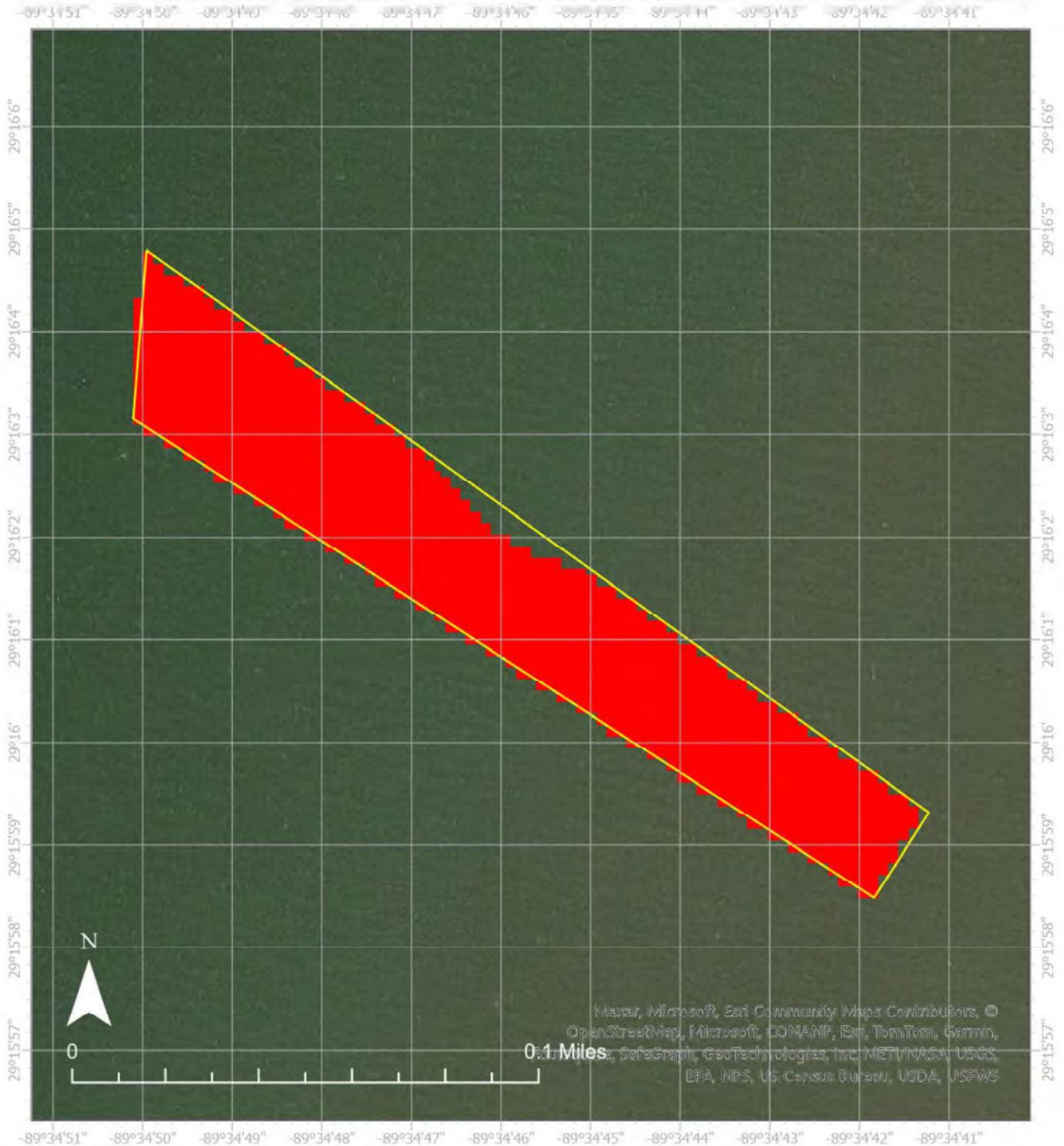
7.62 MT CO₂/acre/year – 1.86

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: FRANK J. JURISICH
 Lease Number: 3564612
 Latitude: 29.26711, Longitude -89.57945
 Location: A BAY EAST OF EMPIRE WATERWAY AND WEST OF ENGLISH BAYOU
 Area: 3 acres

7.62 MT CO ₂ /acre/year – 2.46	
13.45 MT CO ₂ /acre/year –	
19.36 MT CO ₂ /acre/year –	
Lease Boundary	



Lease Holder: GULF OYSTERS IV, INC.
 Lease Number: 3569212
 Latitude: 29.99204, Longitude -89.33316
 Location: INDIAN MOUND BAY
 Area: 89 acres

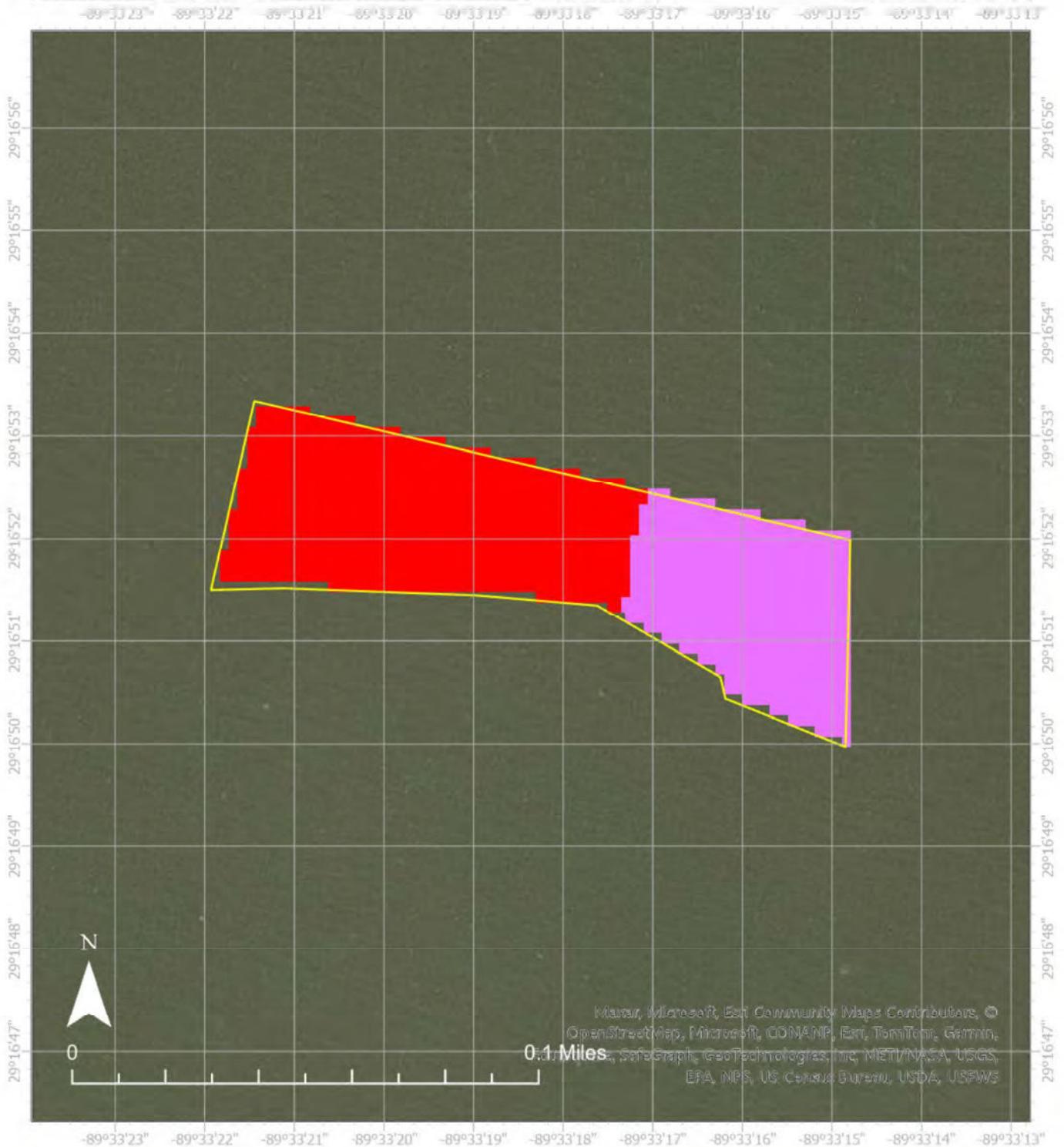
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year -

19.36 MT CO₂/acre/year - 70.74

Lease Boundary





Lease Holder: DANNELL B. JURISICH
 Lease Number: 3574113
 Latitude: 29.28107, Longitude -89.55505
 Location: BAY JACQUIN
 Area: 3 acres

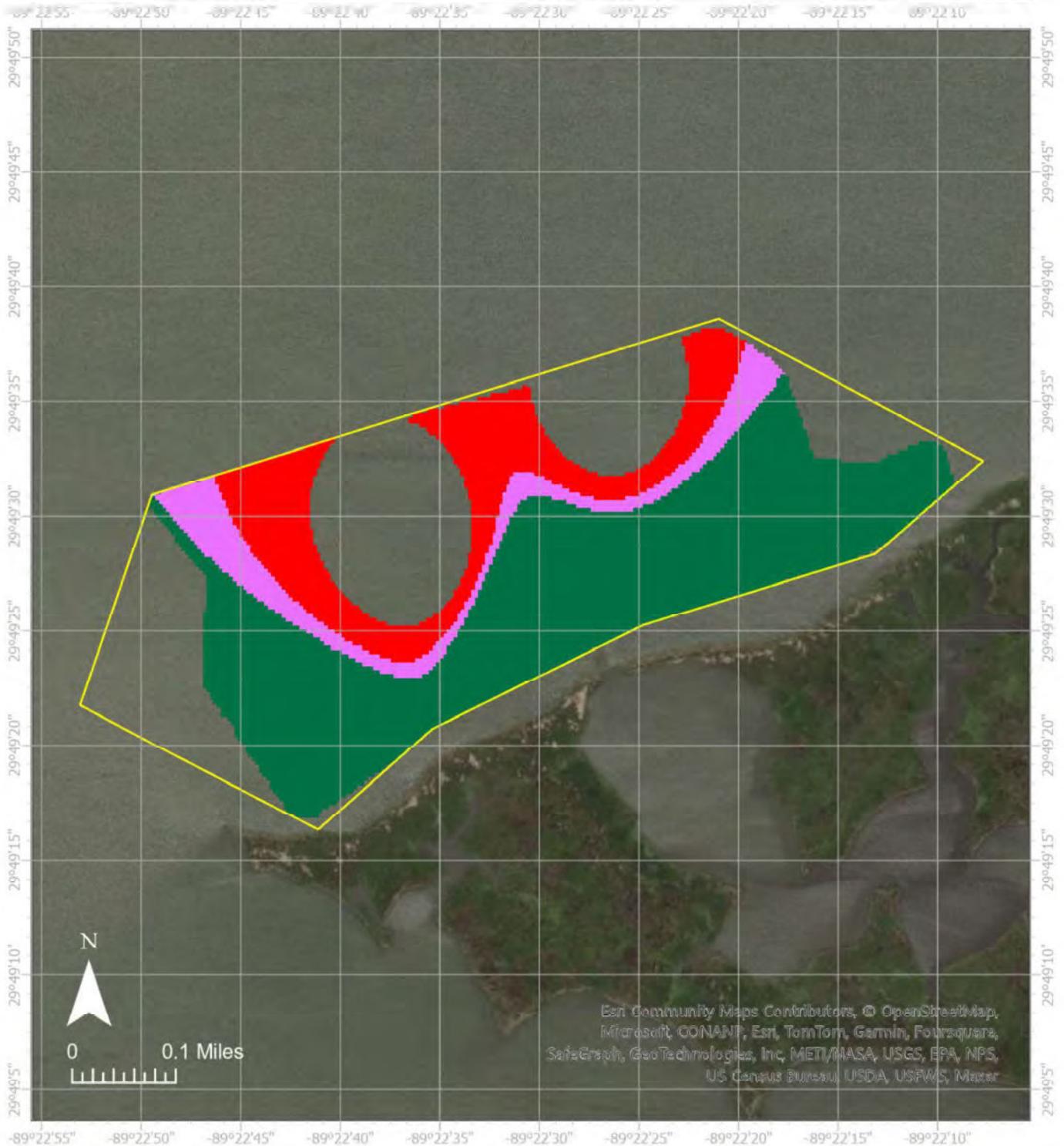
7.62 MT CO₂/acre/year – 1.36

13.45 MT CO₂/acre/year – 0.85

19.36 MT CO₂/acre/year –

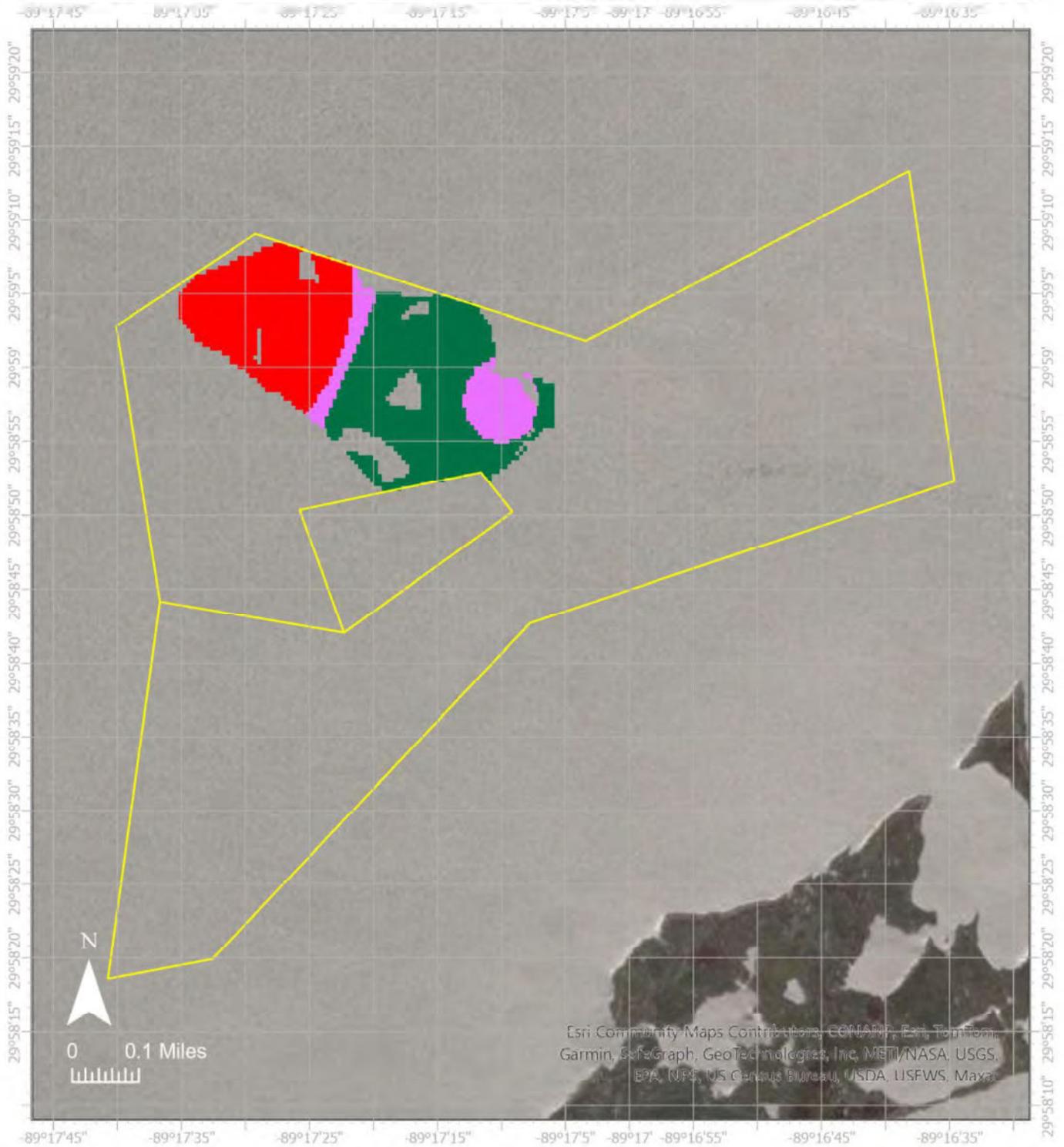
Lease Boundary





Lease Holder: JEFFERY P. GALLET, JR.
 Lease Number: 3574813
 Latitude: 29.82456, Longitude -89.37572
 Location: CHRISTMAS CAMP LAKE
 Area: 103 acres

7.62 MT CO ₂ /acre/year – 16.22	
13.45 MT CO ₂ /acre/year – 7.90	
19.36 MT CO ₂ /acre/year – 43.42	
Lease Boundary	



Lease Holder: PEARL RIVER FISHERIES OF LOUISIANA, L.L.C.
 Lease Number: 3576413
 Latitude: 29.98263, Longitude -89.28087
 Location: INDIAN MOUND BAY
 Area: 343 acres

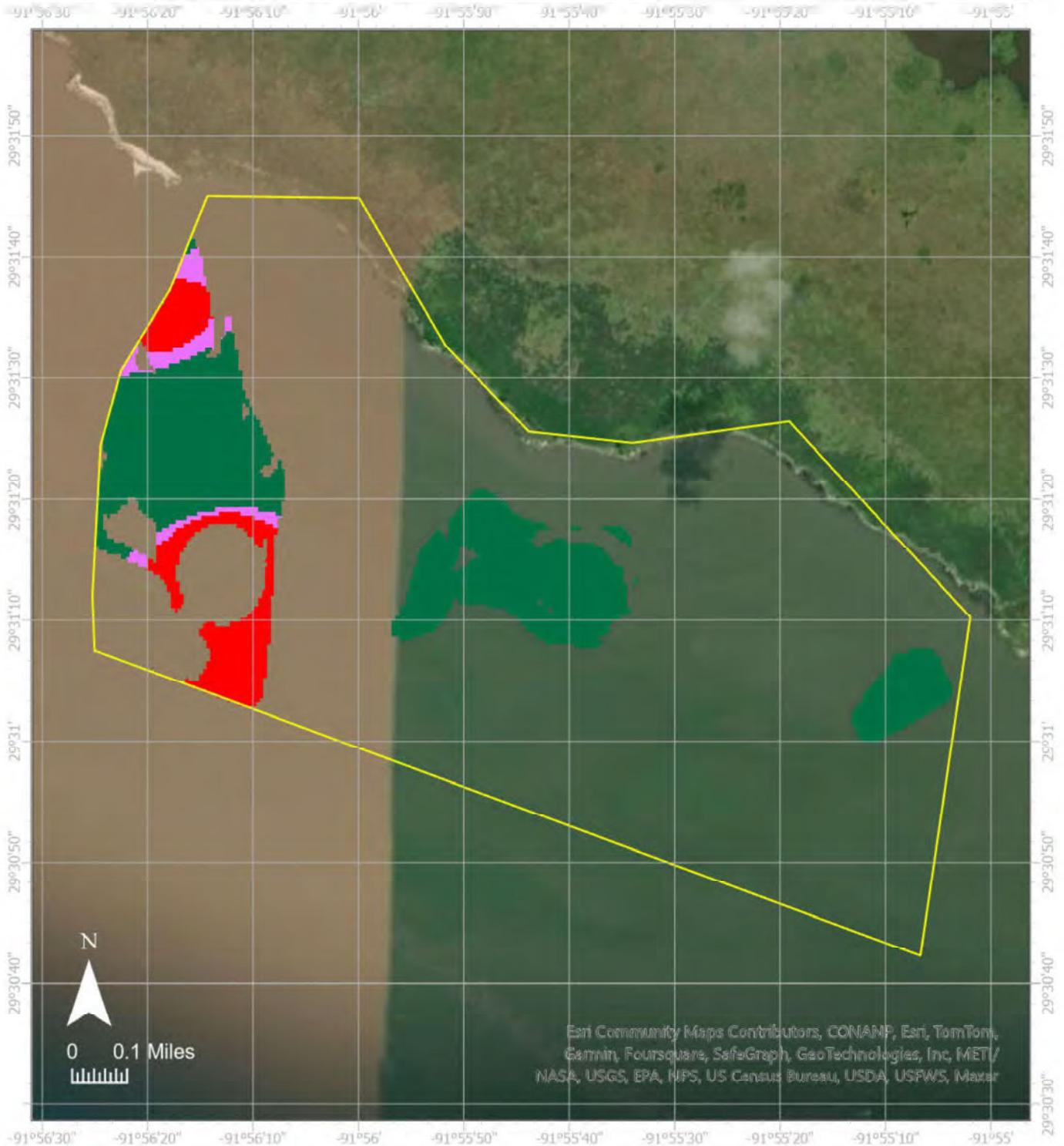
7.62 MT CO₂/acre/year – 20.81

13.45 MT CO₂/acre/year – 7.75

19.36 MT CO₂/acre/year – 24.20

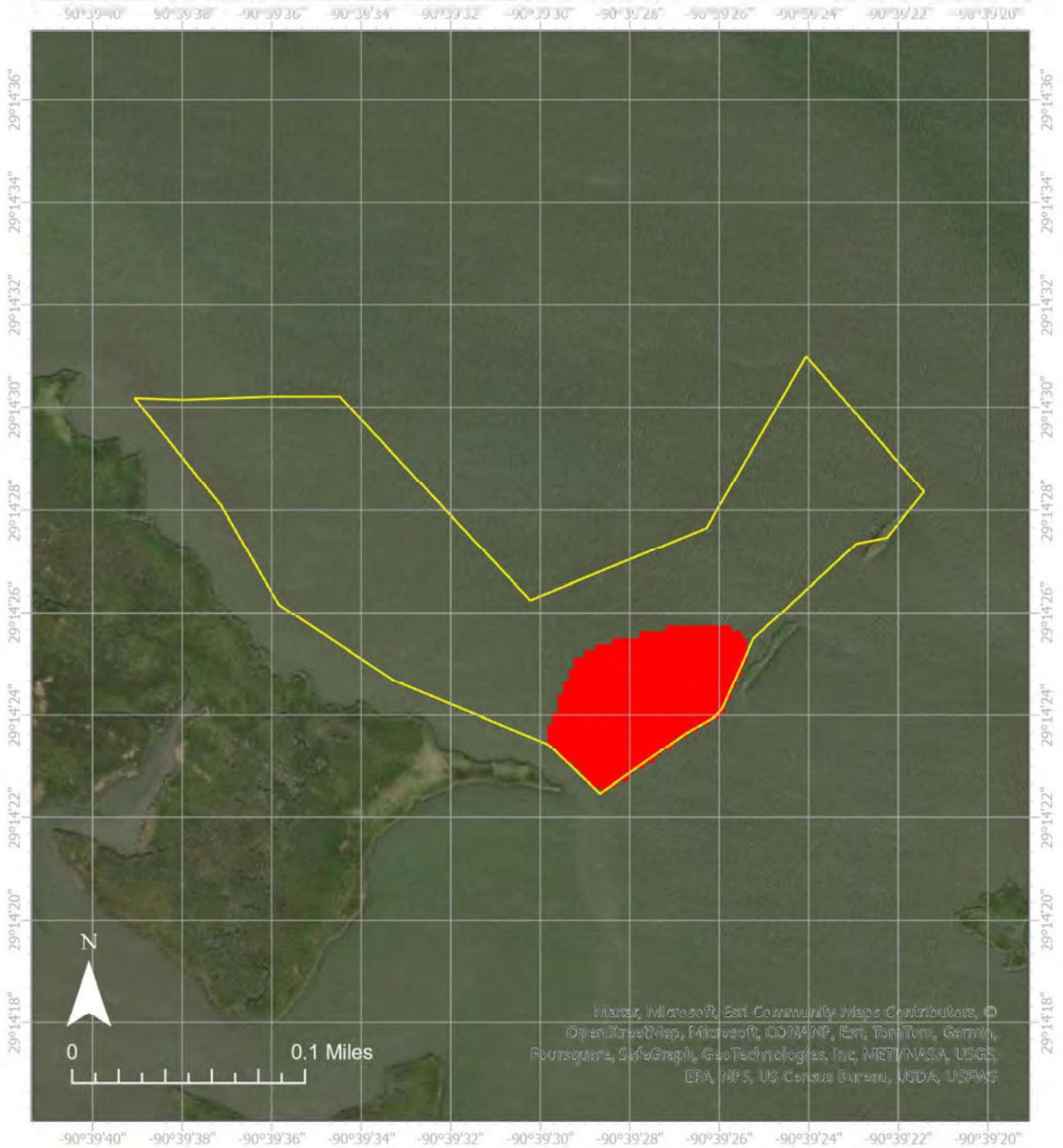
Lease Boundary





Lease Holder: CAPT. NICK, INC.
 Lease Number: 3577214
 Latitude: 29.52032, Longitude -91.92906
 Location: GULF OF MEXICO SOUTH OF MARSH ISLAND
 Area: 599 acres

7.62 MT CO ₂ /acre/year – 19.51	
13.45 MT CO ₂ /acre/year – 5.59	
19.36 MT CO ₂ /acre/year – 82.10	
Lease Boundary	



Lease Holder: OYSTER EAGLE 5, LLC
 Lease Number: 3590014
 Latitude: 29.24026, Longitude -90.65840
 Location: BAY COCODRIE
 Area: 12 acres

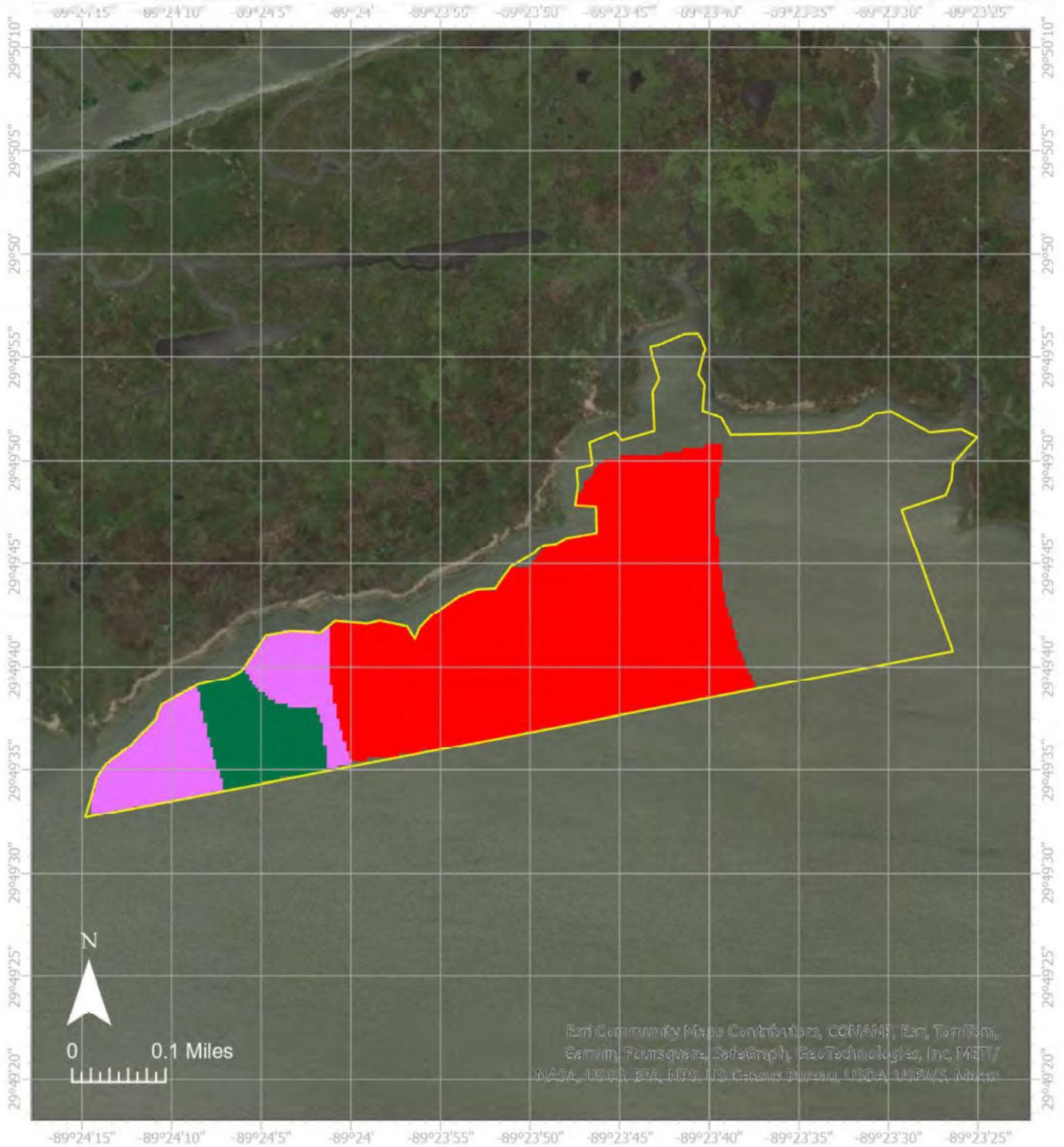
7.62 MT CO₂/acre/year – 1.89

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: M.J. LEPETICH OYSTERS, L.L.C.
 Lease Number: 3605915
 Latitude: 29.82857, Longitude -89.39617
 Location: CHRISTMAS CAMP LAKE
 Area: 89 acres

7.62 MT CO₂/acre/year – 40.61

13.45 MT CO₂/acre/year – 9.08

19.36 MT CO₂/acre/year – 5.33

Lease Boundary





Lease Holder: JEFFERY P. GALLET, JR.
 Lease Number: 3632316
 Latitude: 29.36463, Longitude -89.64863
 Location: A BAY WEST OF BAYOU COURANT
 Area: 14 acres

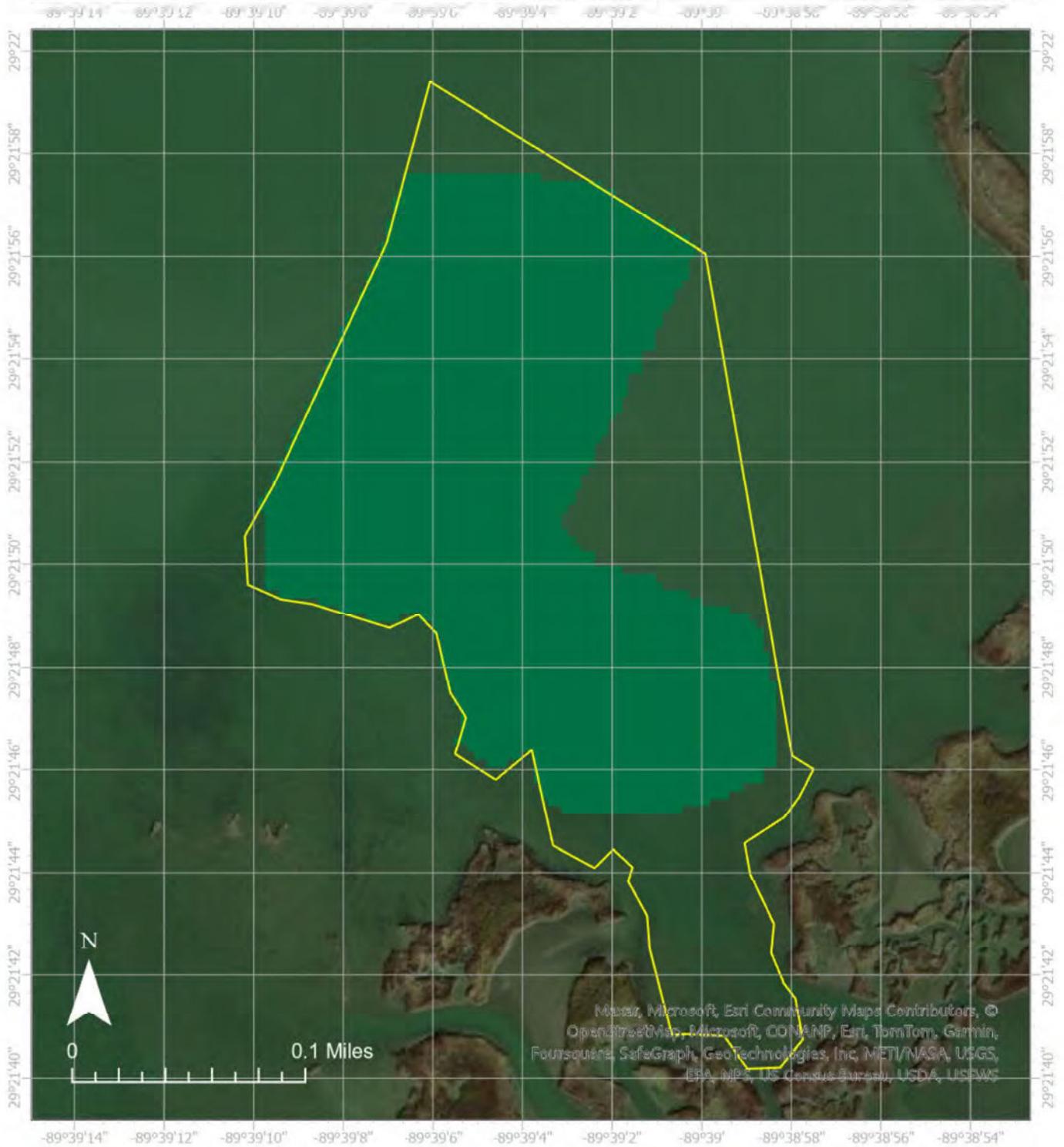
7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year – 1.30

19.36 MT CO₂/acre/year – 7.82

Lease Boundary





Lease Holder: OYSTER EAGLE, L.L.C.
 Lease Number: 3640017
 Latitude: 29.36403, Longitude -89.65086
 Location: A BAY WEST OF BAYOU COURANT
 Area: 25 acres

7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year – 17.25

Lease Boundary





Lease Holder: BRIDGET CARGILL ALEXIS
 Lease Number: 3641117
 Latitude: 29.36331, Longitude -89.66140
 Location: A BAY SOUTH OF MEYERS CANAL
 Area: 9 acres

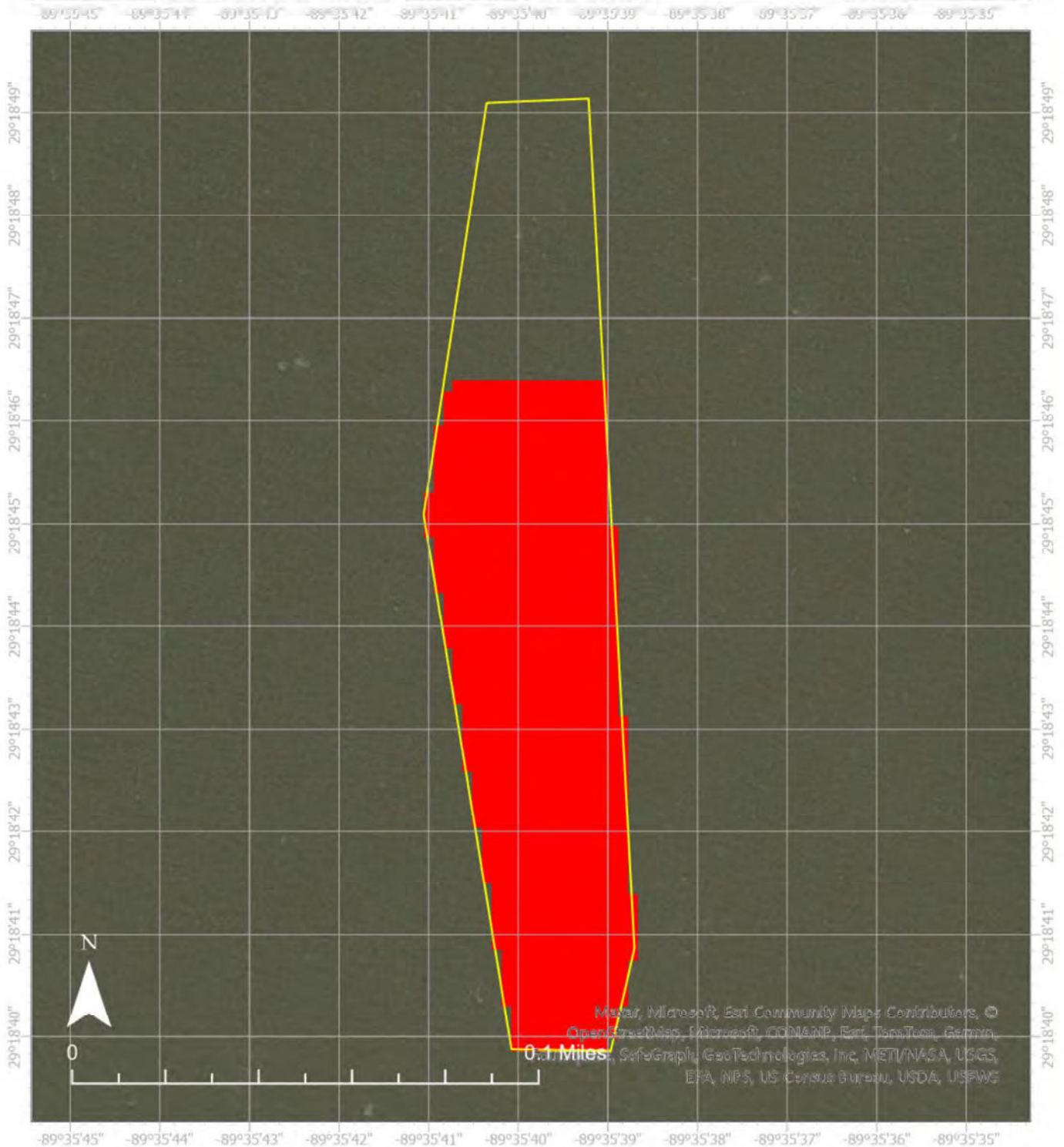
7.62 MT CO₂/acre/year – 2.92

13.45 MT CO₂/acre/year – 0.42

19.36 MT CO₂/acre/year – 3.54

Lease Boundary

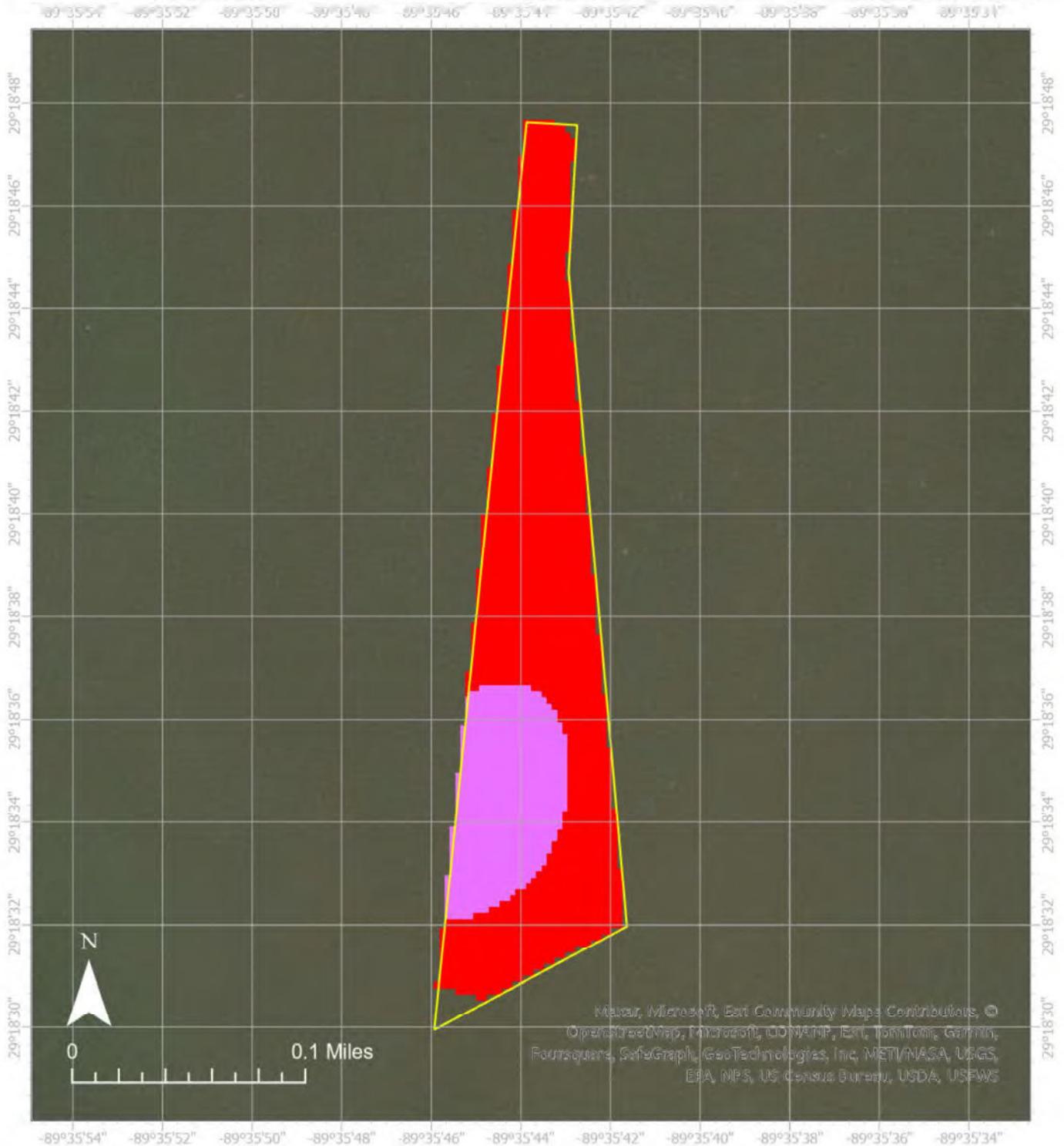




Lease Holder: MITCHELL B. JURISICH, JR. AND FRANK J. JURISICH
 Lease Number: 3644012
 Latitude: 29.31235, Longitude -89.59439
 Location: A BAY EAST OF BAYOU LONG
 Area: 4 acres

7.62 MT CO₂/acre/year – 2.36
 13.45 MT CO₂/acre/year –
 19.36 MT CO₂/acre/year –

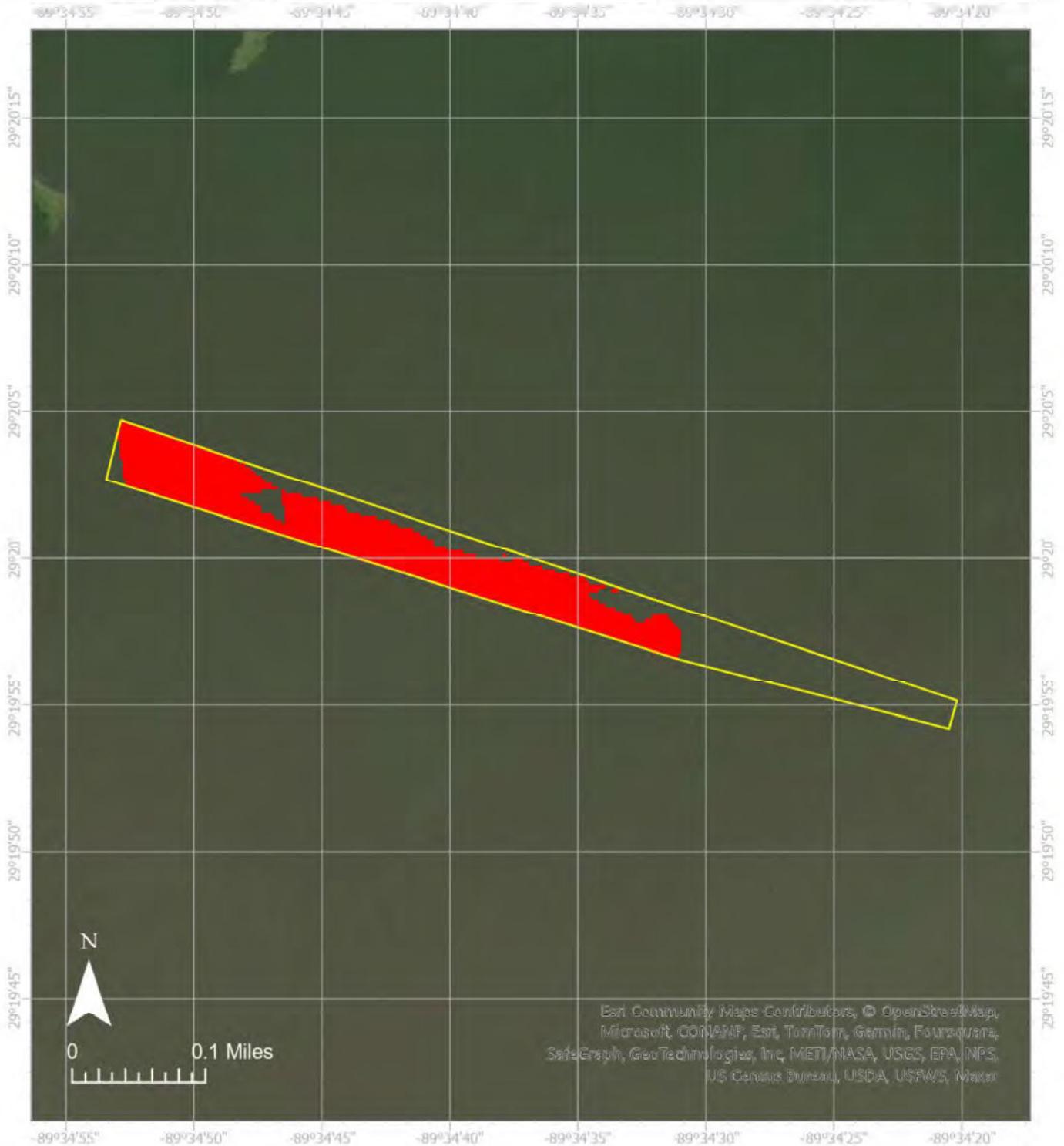
-
-
-
- Lease Boundary



Lease Holder: MITCHELL B. JURISICH, JR. AND FRANK J. JURISICH
 Lease Number: 3644112
 Latitude: 29.31039, Longitude -89.59547
 Location: A BAY EAST OF BAYOU LONG
 Area: 9 acres

7.62 MT CO₂/acre/year – 6.58
 13.45 MT CO₂/acre/year – 1.83
 19.36 MT CO₂/acre/year –



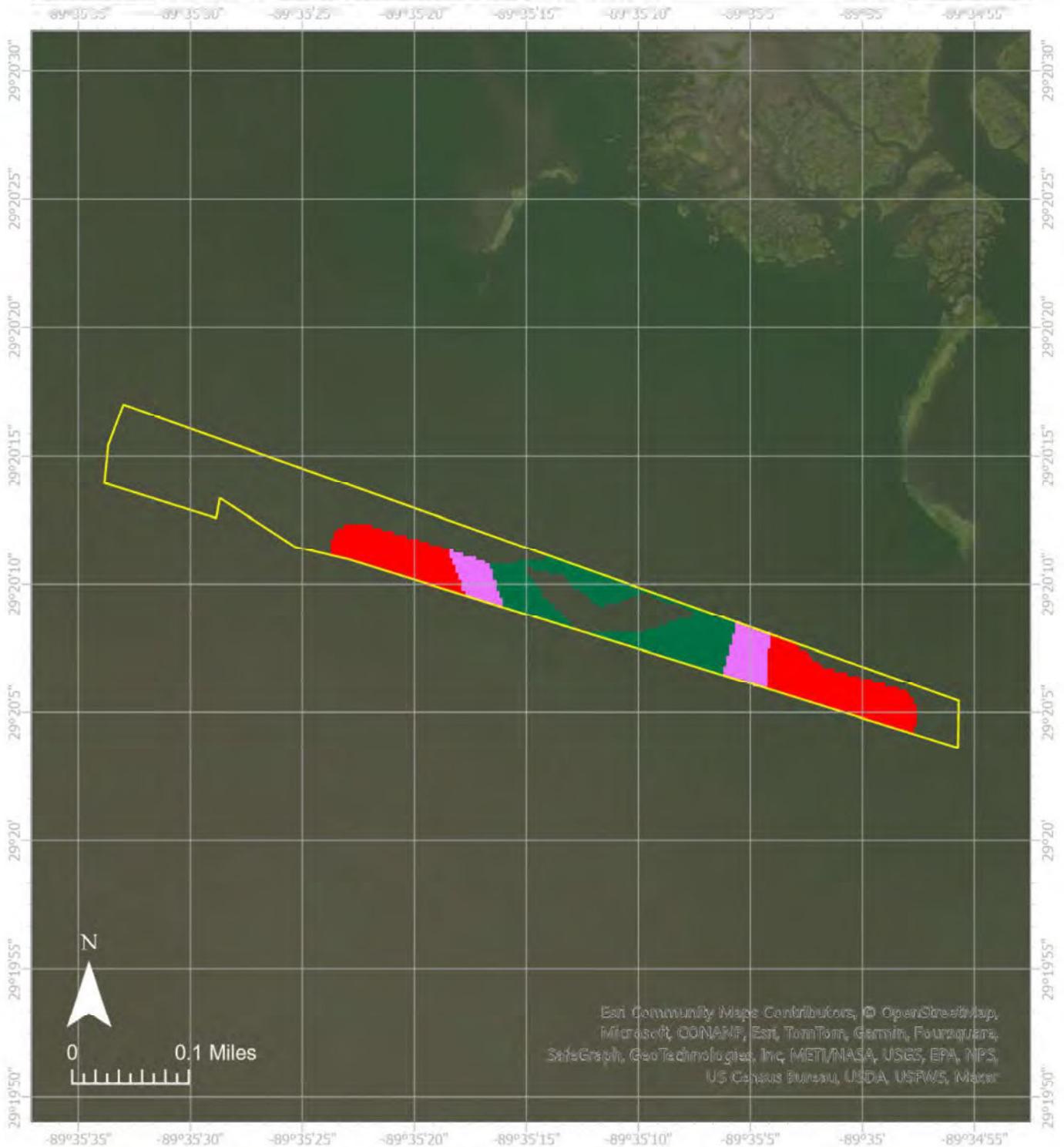


Lease Holder: MITCHELL B. JURISICH, JR. AND FRANK J. JURISICH
 Lease Number: 3644812
 Latitude: 29.33320, Longitude -89.57731
 Location: A BAY EAST OF BAYOU TORTILLON
 Area: 13 acres

7.62 MT CO₂/acre/year – 7.02
 13.45 MT CO₂/acre/year –
 19.36 MT CO₂/acre/year –

Lease Boundary

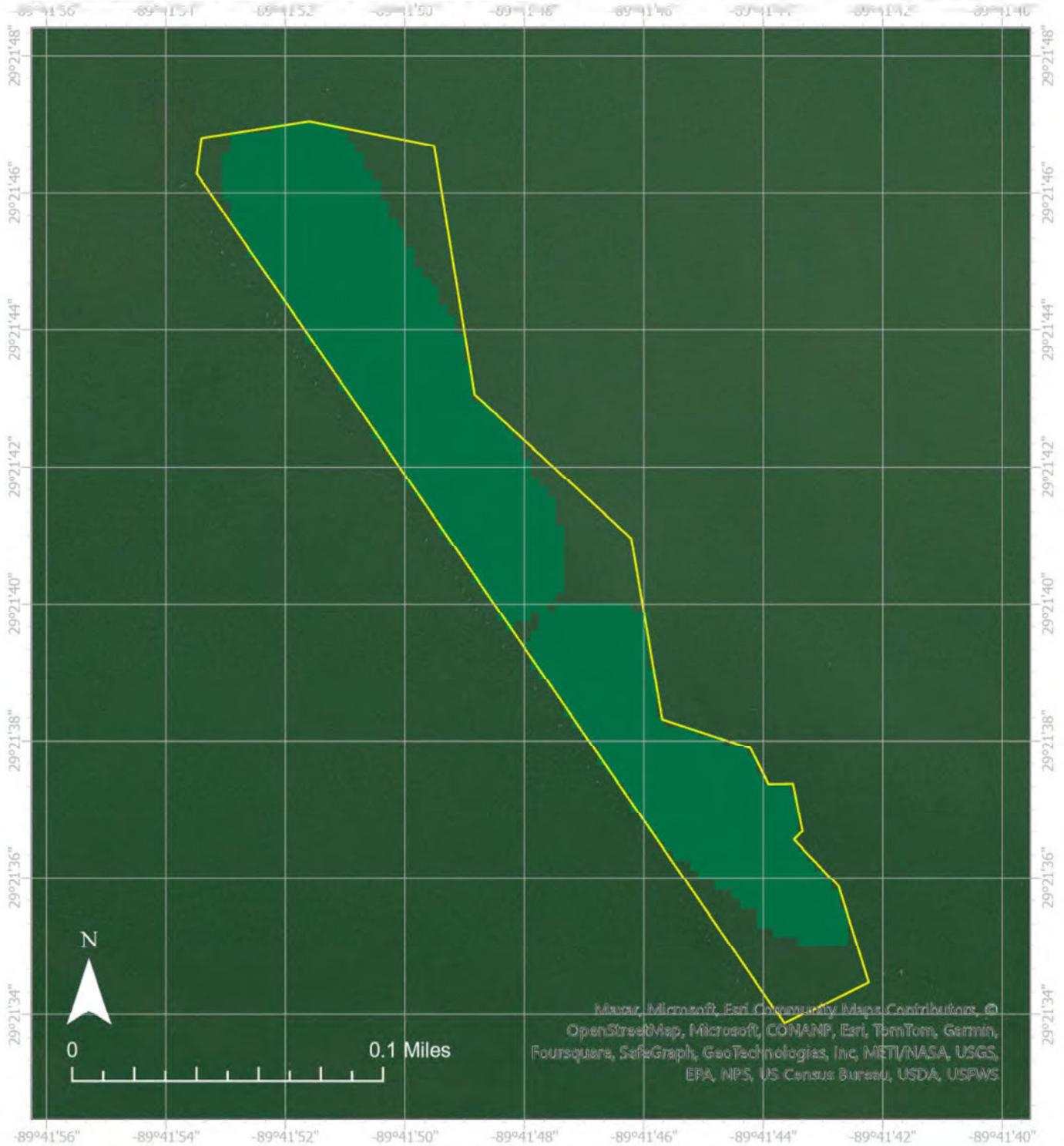




Lease Holder: MITCHELL B. JURISICH, JR. AND FRANK J. JURISICH
 Lease Number: 3644912
 Latitude: 29.33625, Longitude -89.58786
 Location: A BAY WEST OF BAYOU TORTILLON
 Area: 20 acres

7.62 MT CO₂/acre/year – 4.08
 13.45 MT CO₂/acre/year – 1.34
 19.36 MT CO₂/acre/year – 3.20





Lease Holder: JEFFERY P. GALLET
 Lease Number: 3646515
 Latitude: 29.36142, Longitude -89.69667
 Location: A BAY WEST OF BAY DE SUITE
 Area: 7 acres

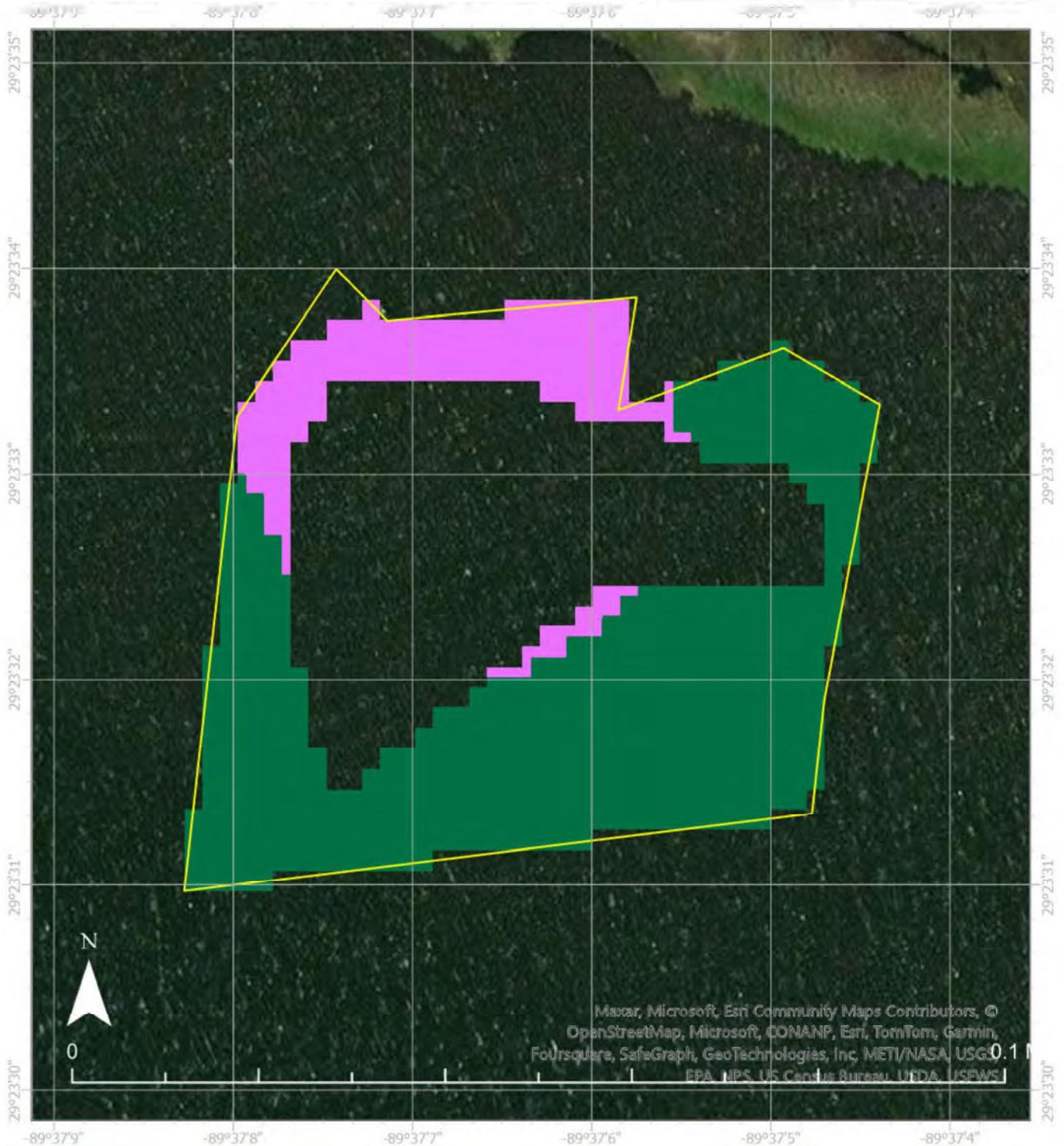
7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year – 5.36

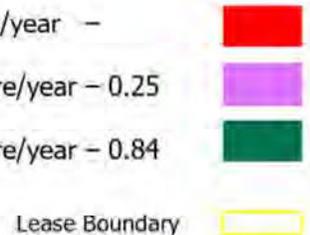
Lease Boundary

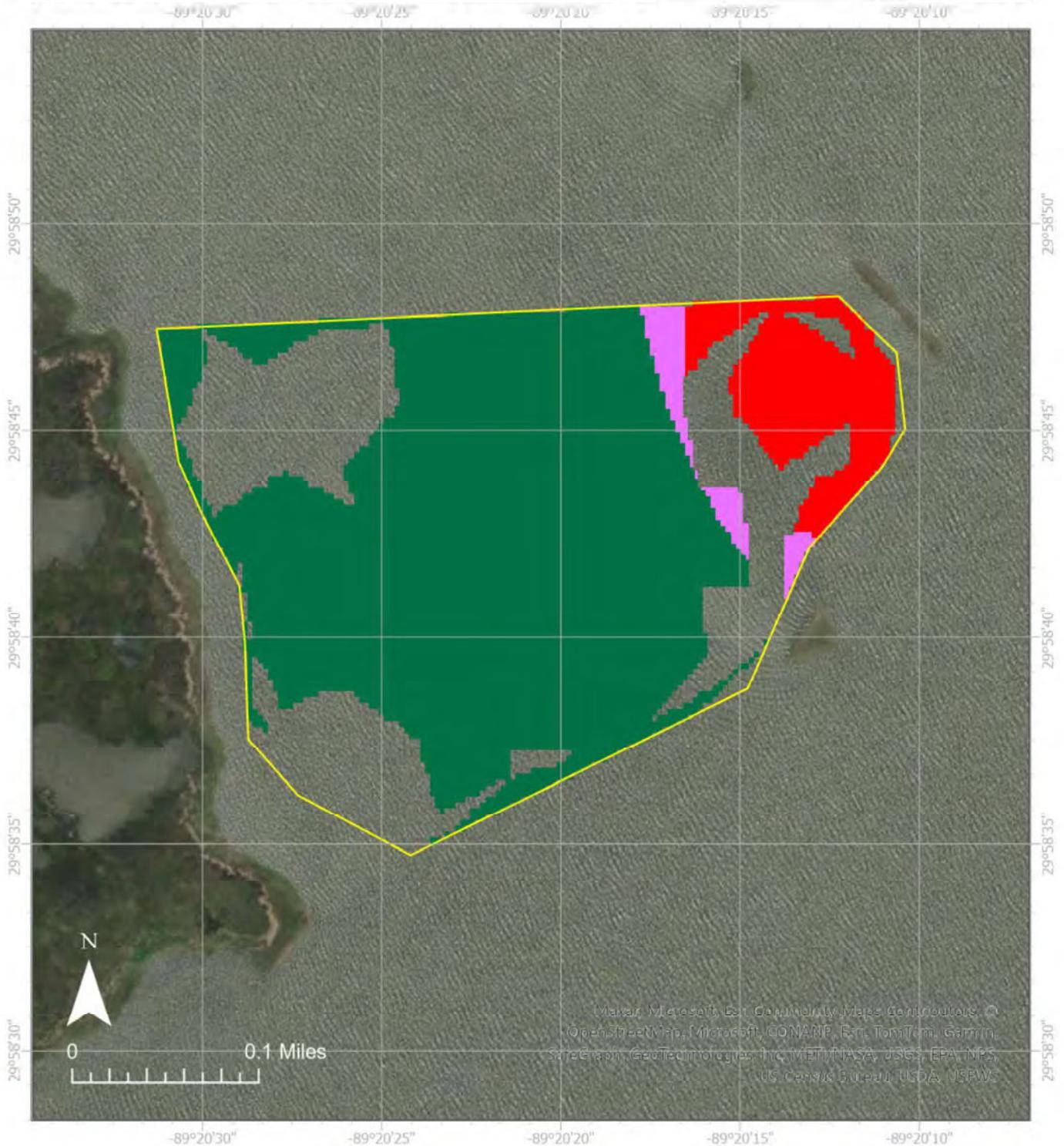




Lease Holder: TESVICH OYSTER CORPORATION
 Lease Number: 3650111
 Latitude: 29.39234, Longitude -89.61845
 Location: ADAMS BAY
 Area: 2 acres

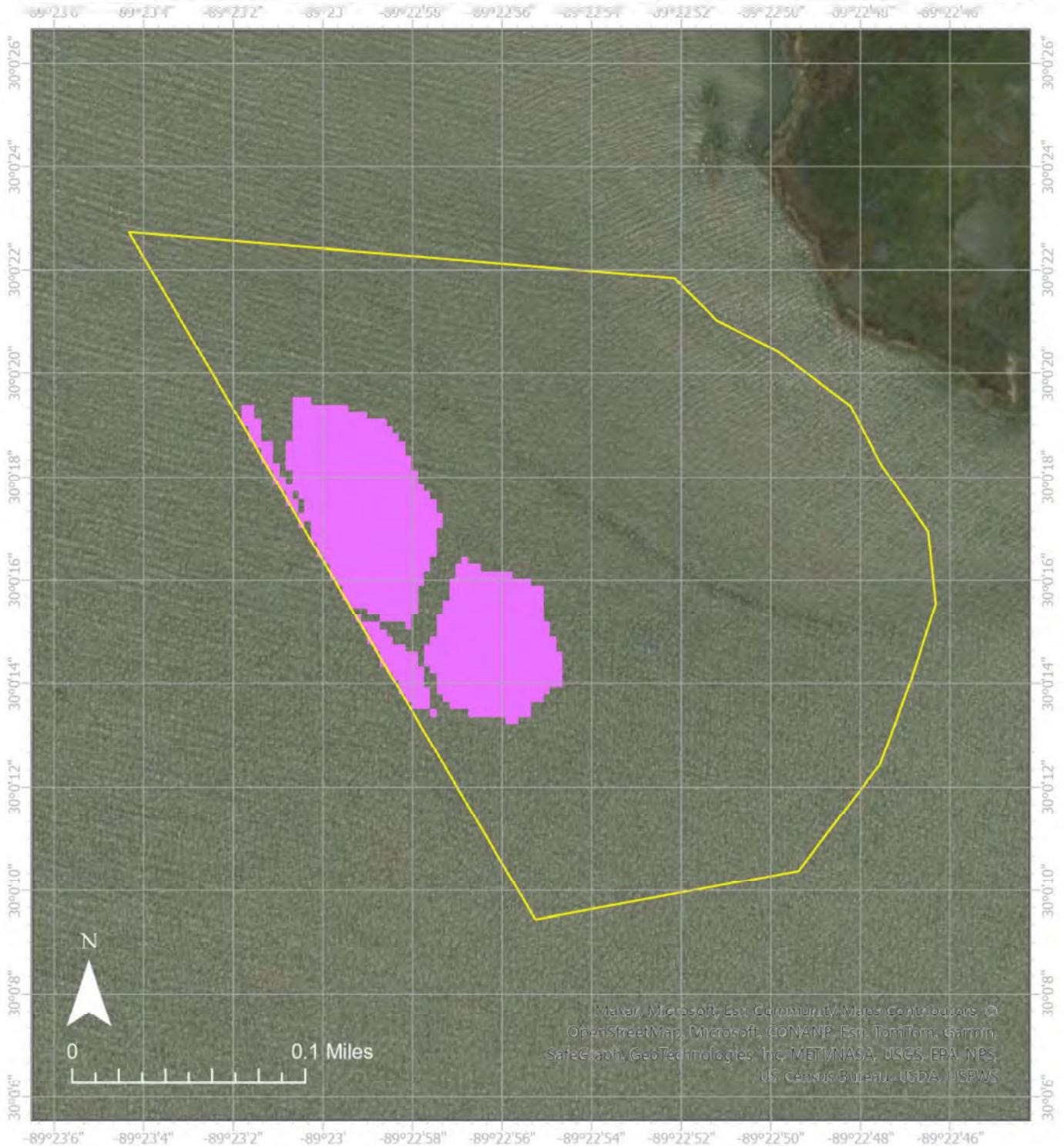
7.62 MT CO₂/acre/year –
 13.45 MT CO₂/acre/year – 0.25
 19.36 MT CO₂/acre/year – 0.84





Lease Holder: MISHO'S QUALITY OYSTERS, L.L.C.
 Lease Number: 3652511
 Latitude: 29.97850, Longitude -89.33925
 Location: A CUT BETWEEN BAY BOUDREAU AND INDIAN MOUND BAY
 Area: 40 acres

7.62 MT CO ₂ /acre/year – 3.61	
13.45 MT CO ₂ /acre/year – 1.00	
19.36 MT CO ₂ /acre/year – 24.63	
Lease Boundary	



Lease Holder: MISHO'S QUALITY OYSTERS, L.L.C.
 Lease Number: 3652611
 Latitude: 30.00461, Longitude -89.38173
 Location: NINEMILE BAY
 Area: 30 acres

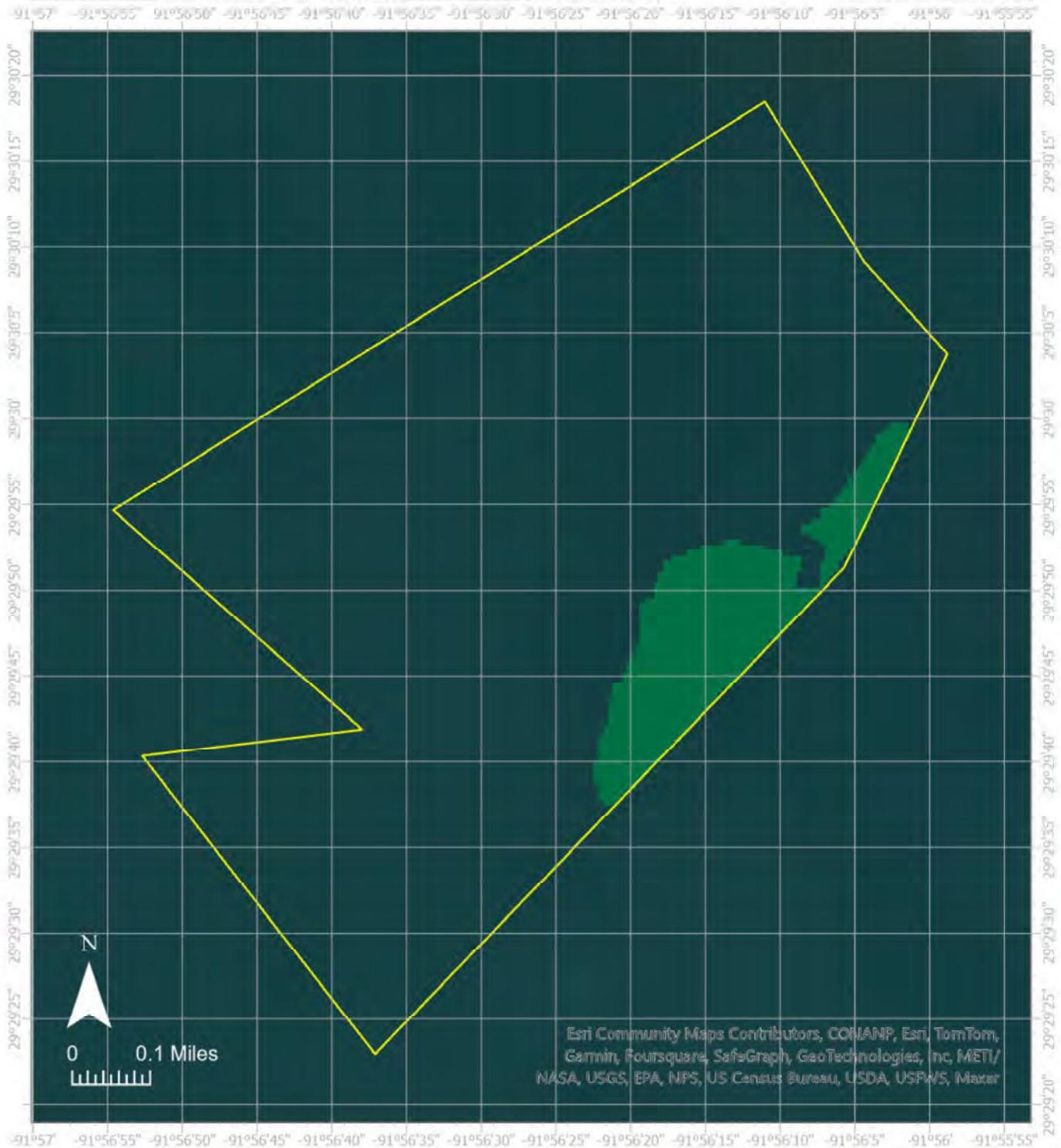
7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year – 3.78

19.36 MT CO₂/acre/year –

Lease Boundary





Lease Holder: GULF OYSTERS II, INC.
 Lease Number: 3656111
 Latitude: 29.49785, Longitude -91.94067
 Location: GULF OF MEXICO
 Area: 309 acres

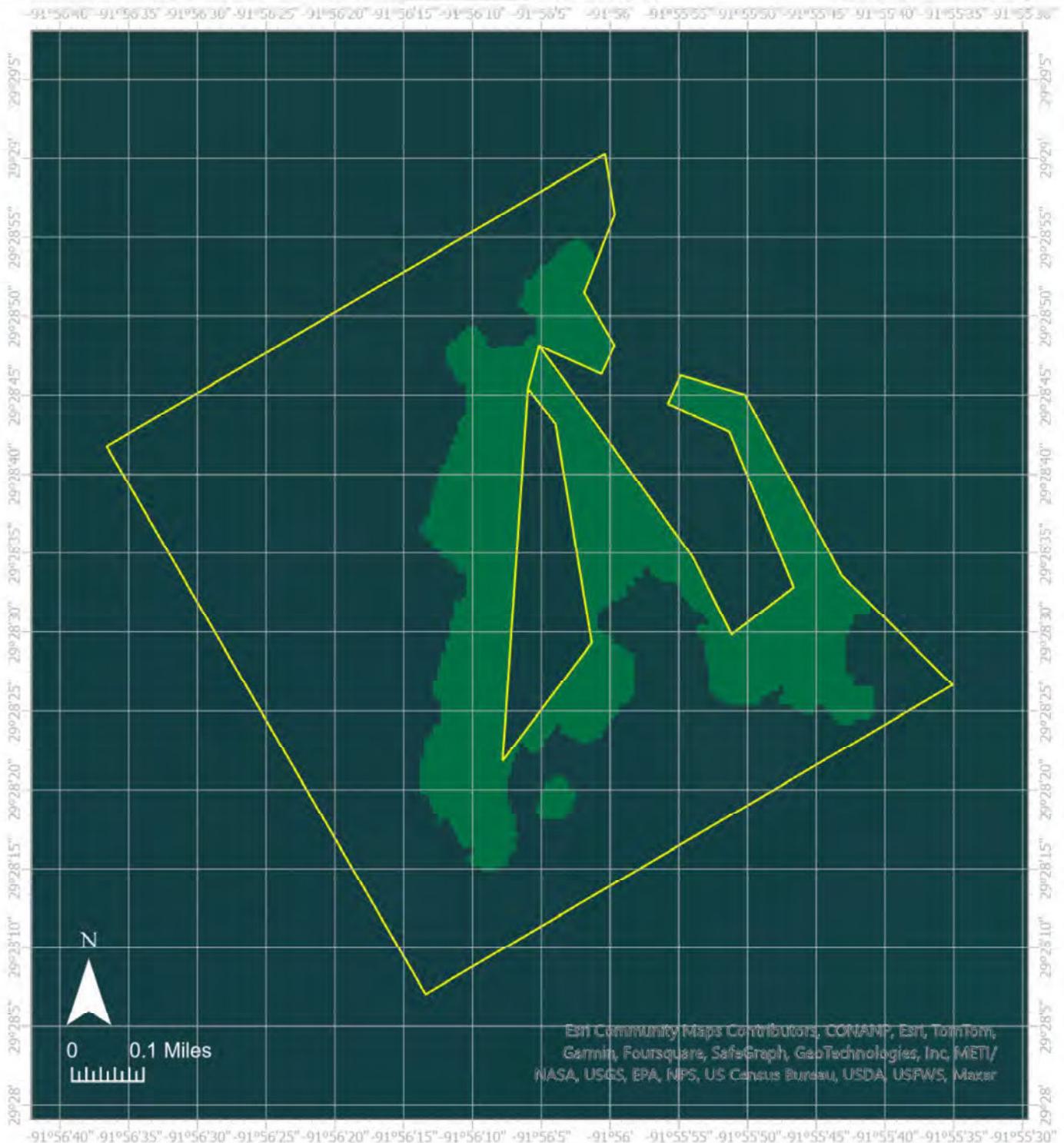
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year -

19.36 MT CO₂/acre/year - 26.52

Lease Boundary

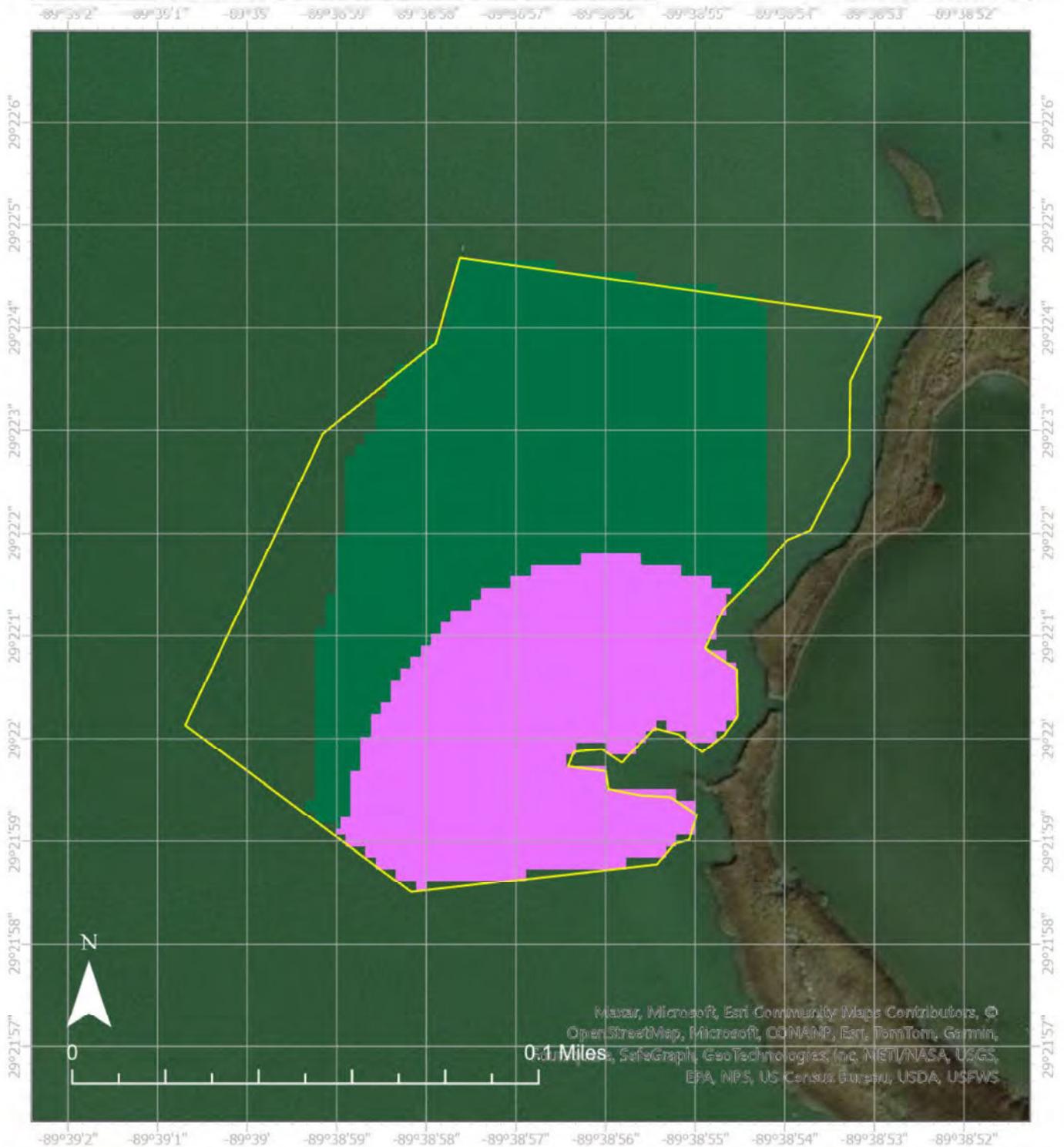




Lease Holder: GULF OYSTERS I, INC.
 Lease Number: 3656212
 Latitude: 29.47566, Longitude -91.93565
 Location: GULF OF MEXICO
 Area: 293 acres

7.62 MT CO₂/acre/year -
 13.45 MT CO₂/acre/year -
 19.36 MT CO₂/acre/year - 91.86

Lease Boundary



Lease Holder: OYSTER EAGLE, L.L.C.
 Lease Number: 3657912
 Latitude: 29.36712, Longitude -89.64912
 Location: A BAY WEST OF BAYOU COURANT
 Area: 7 acres

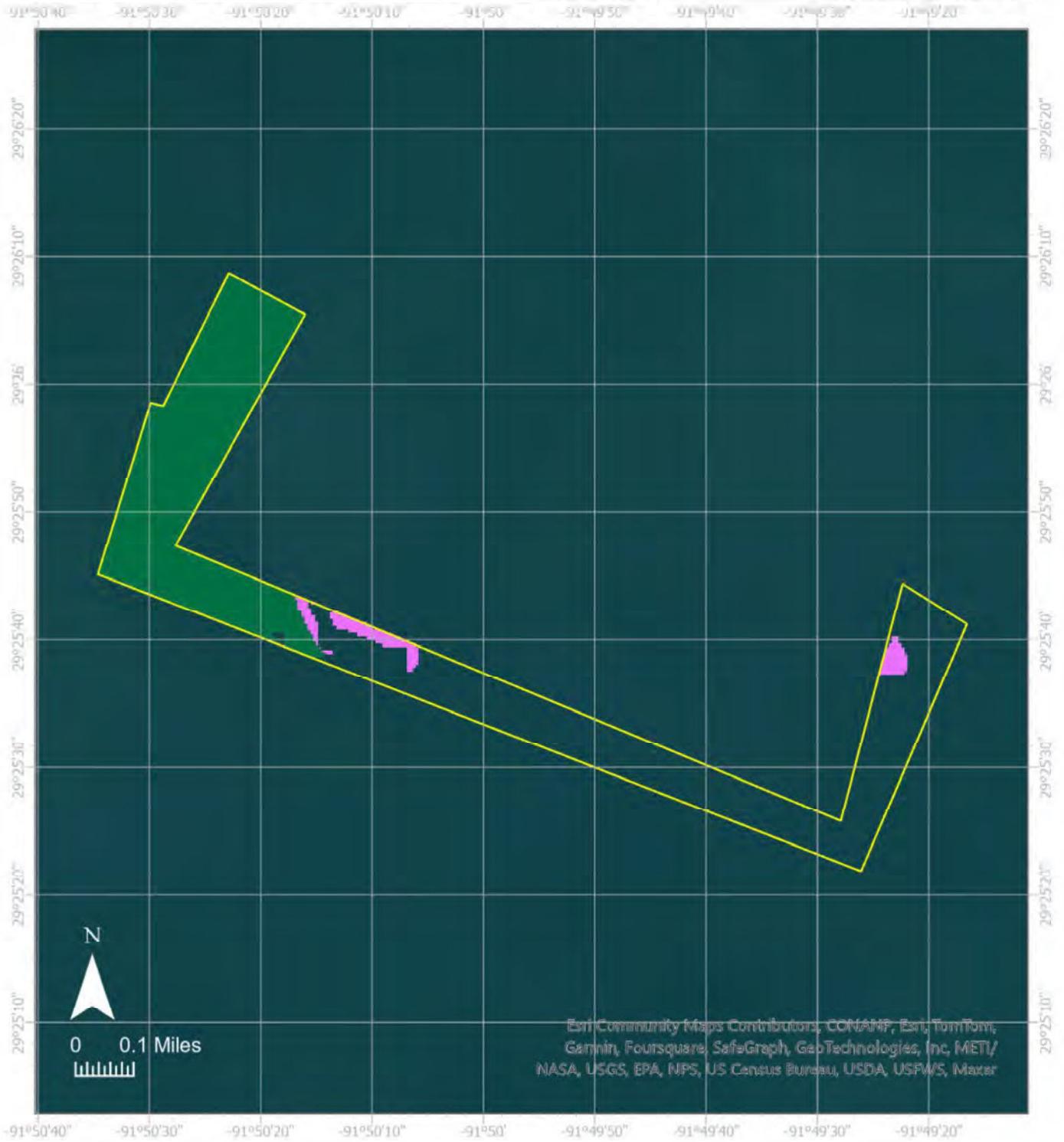
7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year – 2.11

19.36 MT CO₂/acre/year – 2.89

Lease Boundary





Lease Holder: GULF OYSTERS V, INC.
 Lease Number: 3659412
 Latitude: 29.42607, Longitude -91.83211
 Location: GULF OF MEXICO
 Area: 107 acres

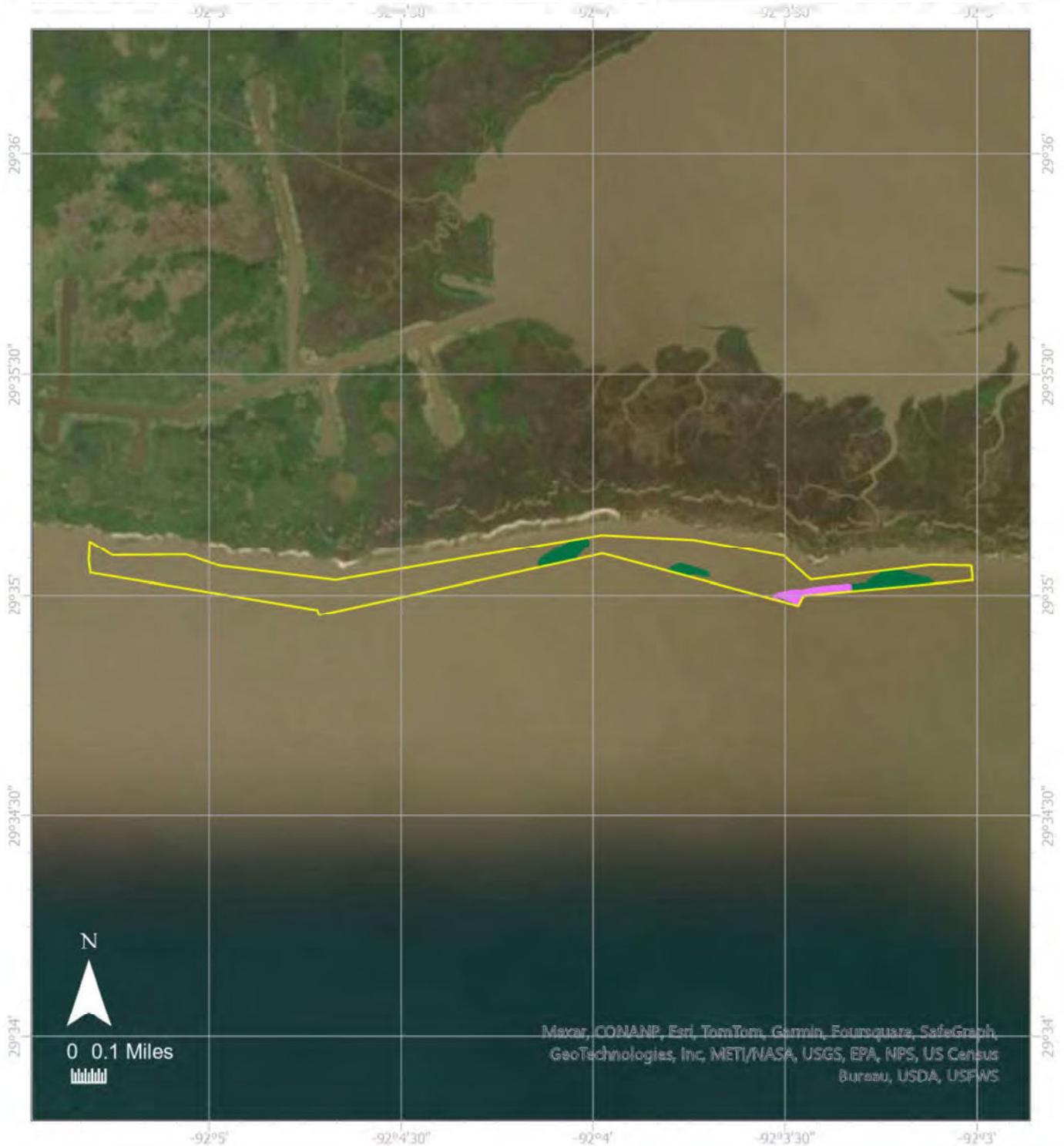
7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year – 3.80

19.36 MT CO₂/acre/year – 47.74

Lease Boundary





Maxar, COMANRP, Esri, TomTom, Garmin, FourSquare, SafeGraph, GeoTechnologies, Inc, METI/MASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Lease Holder: GULF OYSTERS VI, INC.
 Lease Number: 3659712
 Latitude: 29.58419, Longitude -92.07011
 Location: GULF OF MEXICO
 Area: 105 acres

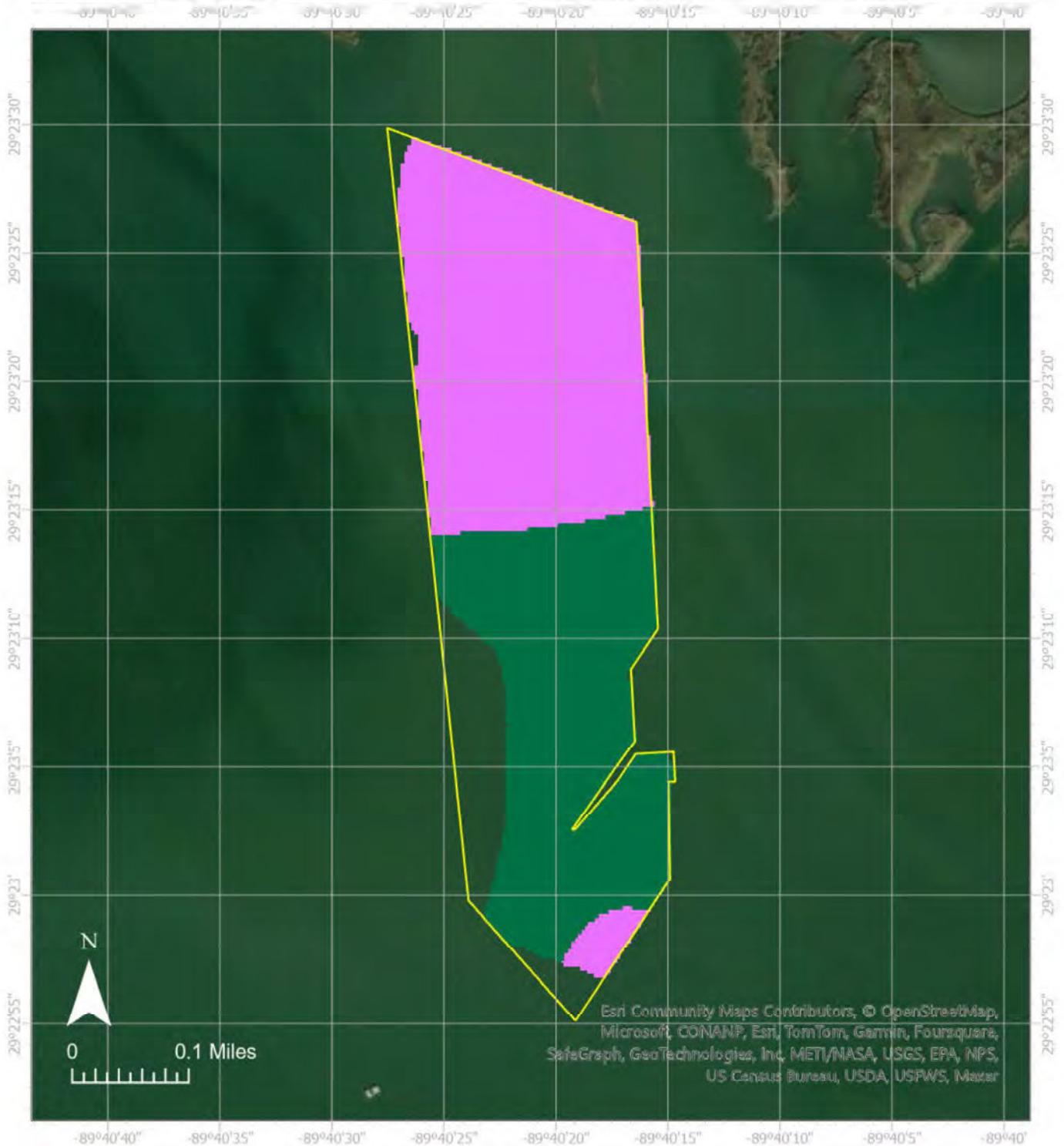
7.62 MT CO₂/acre/year -

13.45 MT CO₂/acre/year - 3.06

19.36 MT CO₂/acre/year - 9.05

Lease Boundary





Lease Holder: J AND R OYSTERS, L.L.C.
 Lease Number: 3665812
 Latitude: 29.38706, Longitude -89.67245
 Location: A BAY WEST OF GRAND BAYOU
 Area: 61 acres

7.62 MT CO₂/acre/year –



13.45 MT CO₂/acre/year – 29.98

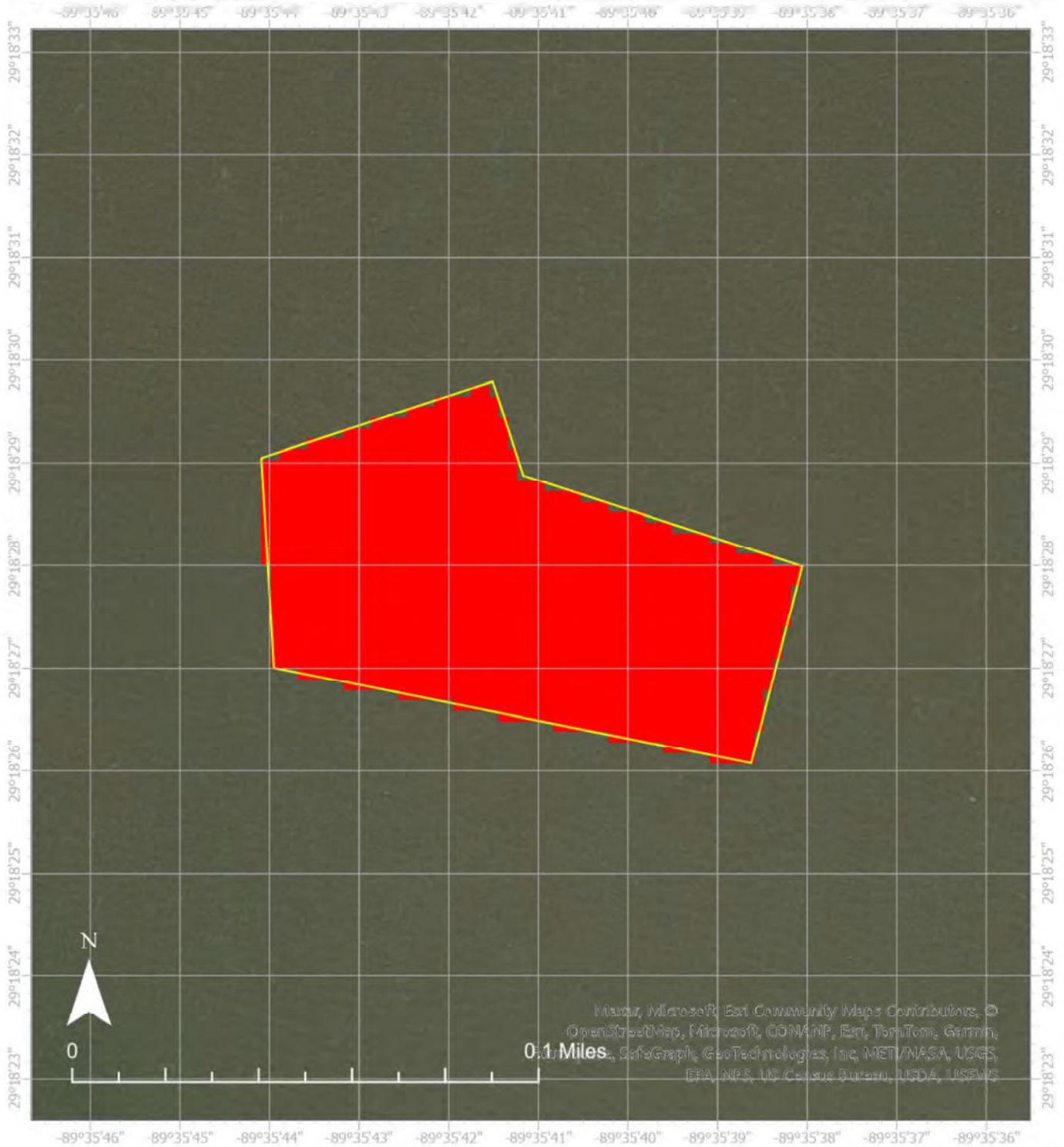


19.36 MT CO₂/acre/year – 24.26



Lease Boundary





Lease Holder: DANNELL B. JURISICH
 Lease Number: 3667013
 Latitude: 29.30772, Longitude -89.59480
 Location: A BAY WEST OF ENGLISH BAY
 Area: 3 acres

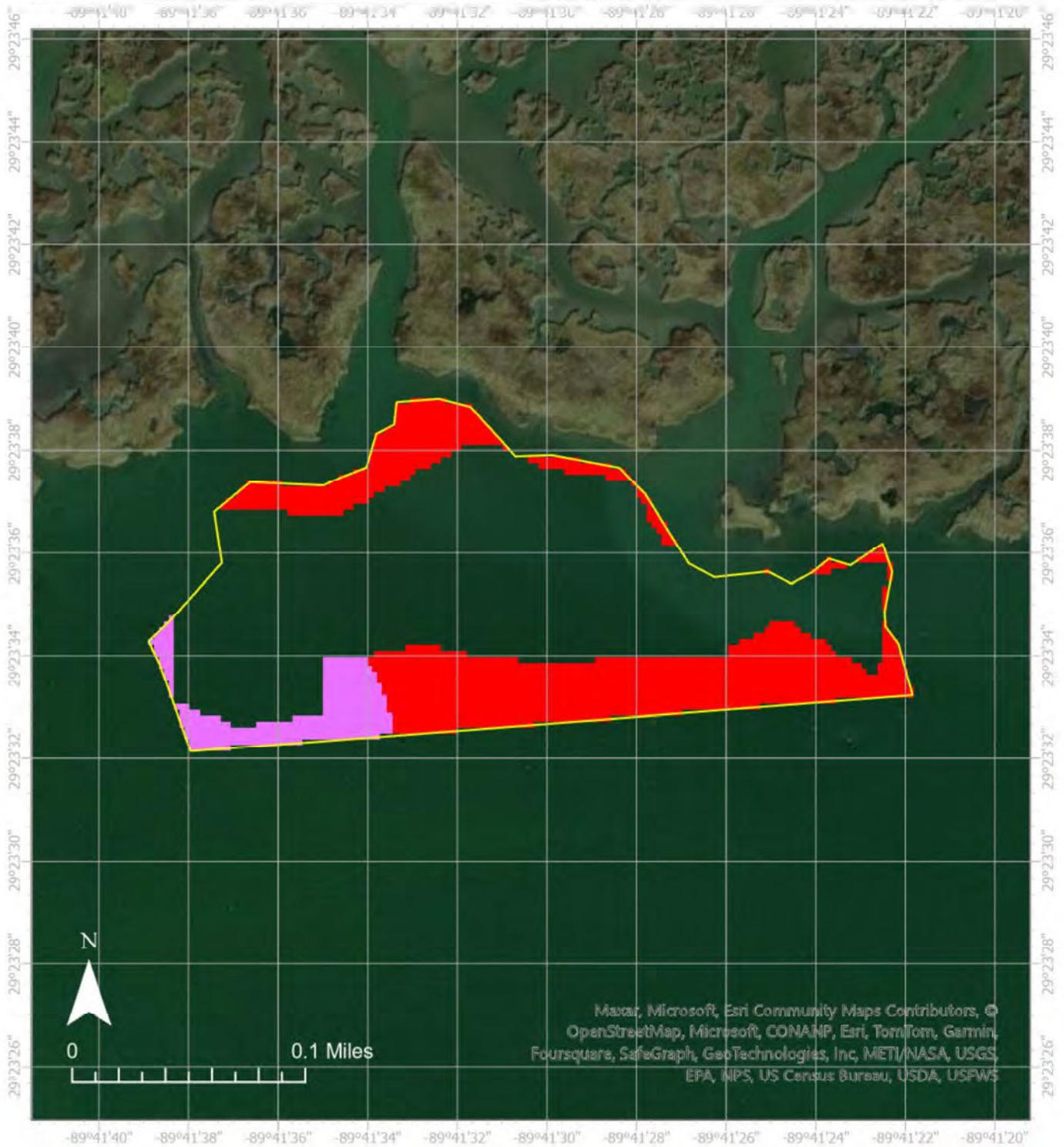
7.62 MT CO₂/acre/year – 2.82

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year –

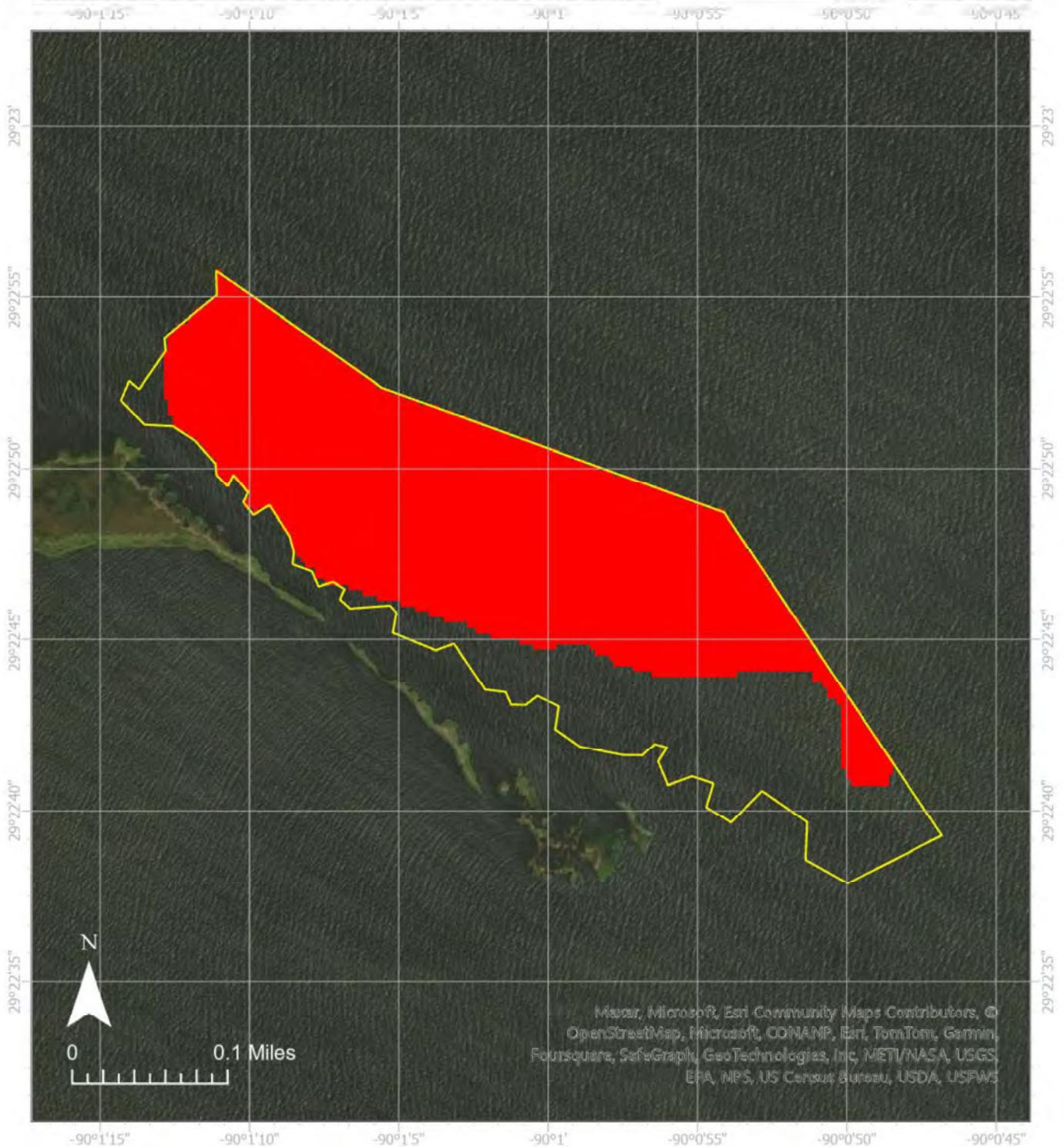
Lease Boundary





Lease Holder: THE SHELLEY COMPANY, INC.
 Lease Number: 3668613
 Latitude: 29.39305, Longitude -89.69199
 Location: A BAY WEST OF GRAND BAYOU
 Area: 15 acres

- 7.62 MT CO₂/acre/year – 4.26
- 13.45 MT CO₂/acre/year – 0.85
- 19.36 MT CO₂/acre/year –
- Lease Boundary



Lease Holder: CAPT. PETE'S OYSTER FARM, LLC
 Lease Number: 3672213
 Latitude: 29.37967, Longitude -90.01675
 Location: BAY OF BAYOU DEFOND
 Area: 35 acres

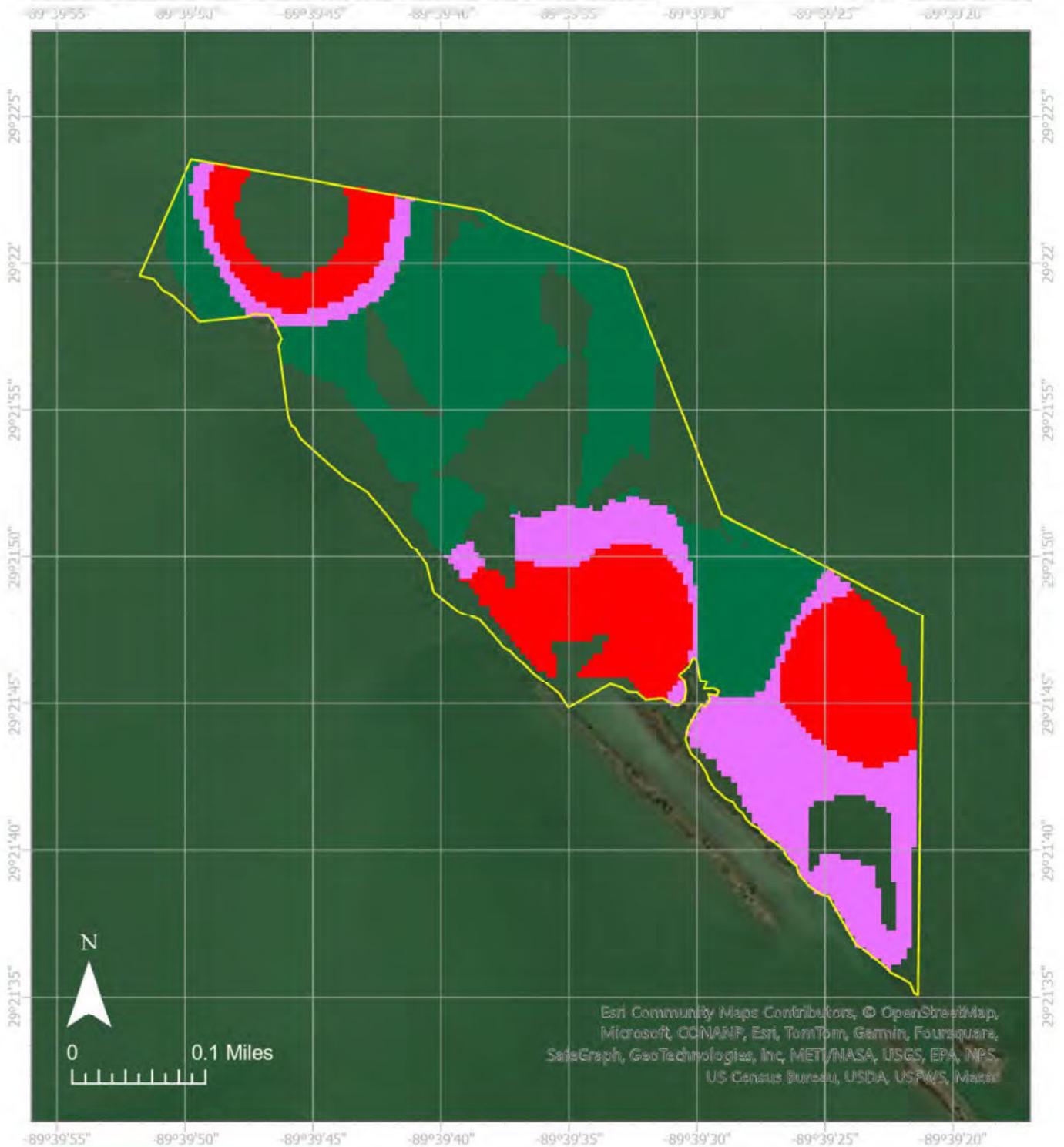
7.62 MT CO₂/acre/year – 24.18
 13.45 MT CO₂/acre/year –
 19.36 MT CO₂/acre/year –





Lease Holder: JEFFERY P. GALLET, JR.
 Lease Number: 3675914
 Latitude: 29.93469, Longitude -89.25167
 Location: CONKEY COVE
 Area: 44 acres

- 7.62 MT CO₂/acre/year –
- 13.45 MT CO₂/acre/year –
- 19.36 MT CO₂/acre/year – 16.53
- Lease Boundary



Lease Holder: FOX SEAFOODS, INC.
 Lease Number: 3676114
 Latitude: 29.36439, Longitude -89.65965
 Location: A BAY SOUTH OF MEYERS CANAL AND EAST OF GRAND BAYOU
 Area: 67 acres

7.62 MT CO₂/acre/year – 14.18

13.45 MT CO₂/acre/year – 11.71

19.36 MT CO₂/acre/year – 20.47

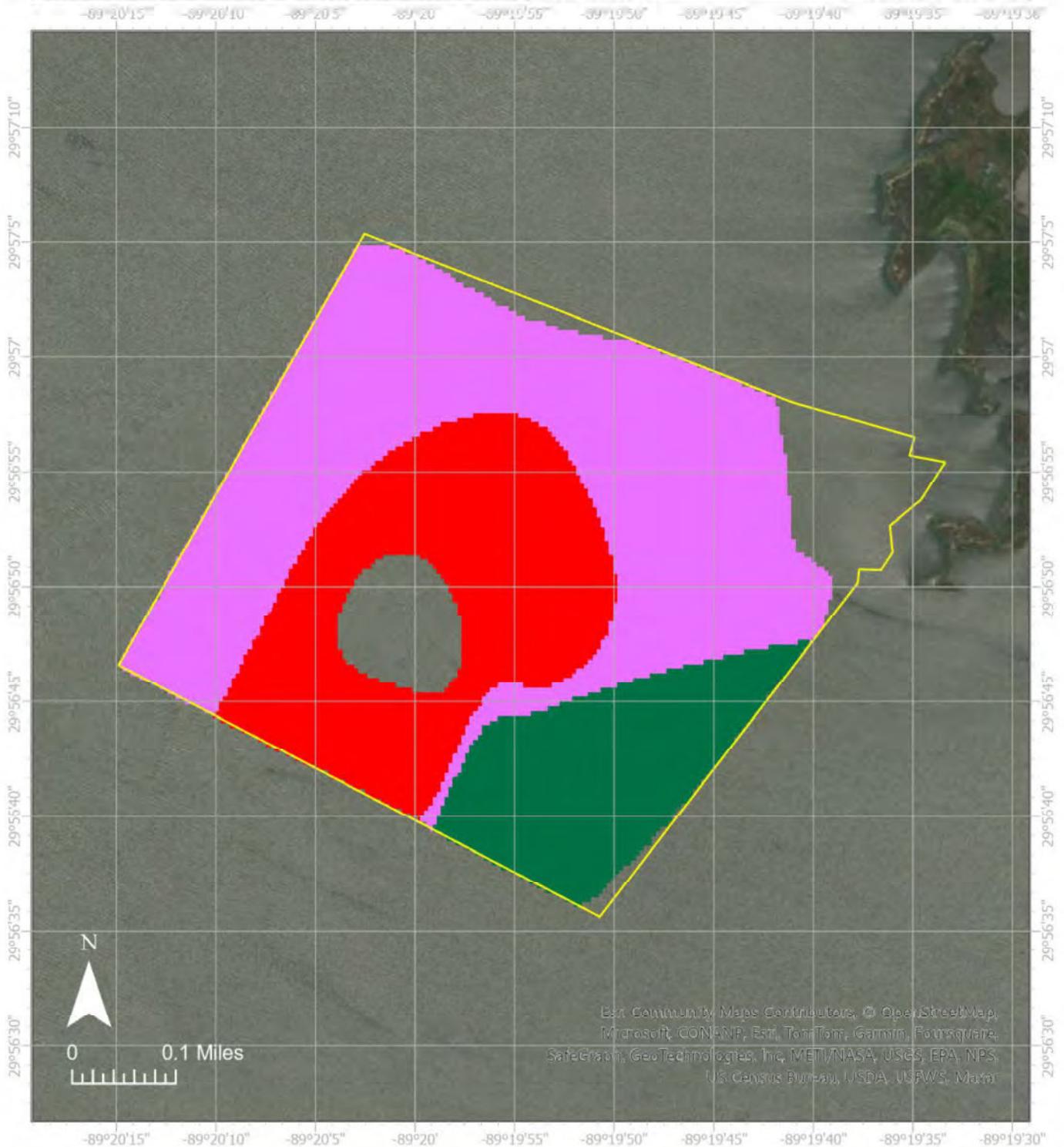
Lease Boundary





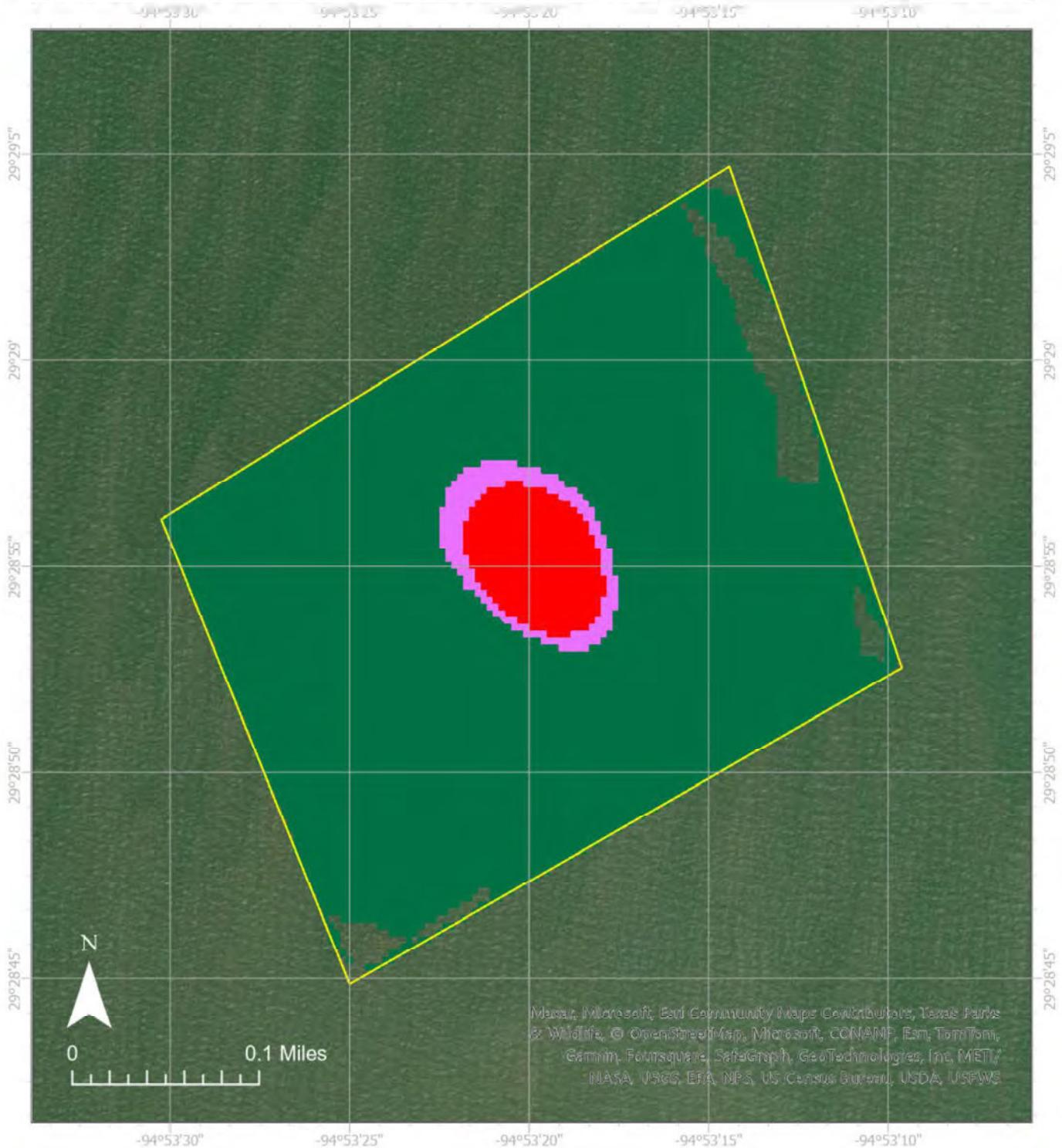
Lease Holder: J AND R OYSTERS, L.L.C.
 Lease Number: 3680019
 Latitude: 29.94922, Longitude -89.33668
 Location: SHELL ISLAND LAKE - JUDICIAL PARTITION OF LEASE 3620415.
 Area: 32 acres

7.62 MT CO ₂ /acre/year -	
13.45 MT CO ₂ /acre/year - 17.34	
19.36 MT CO ₂ /acre/year - 5.15	
Lease Boundary	



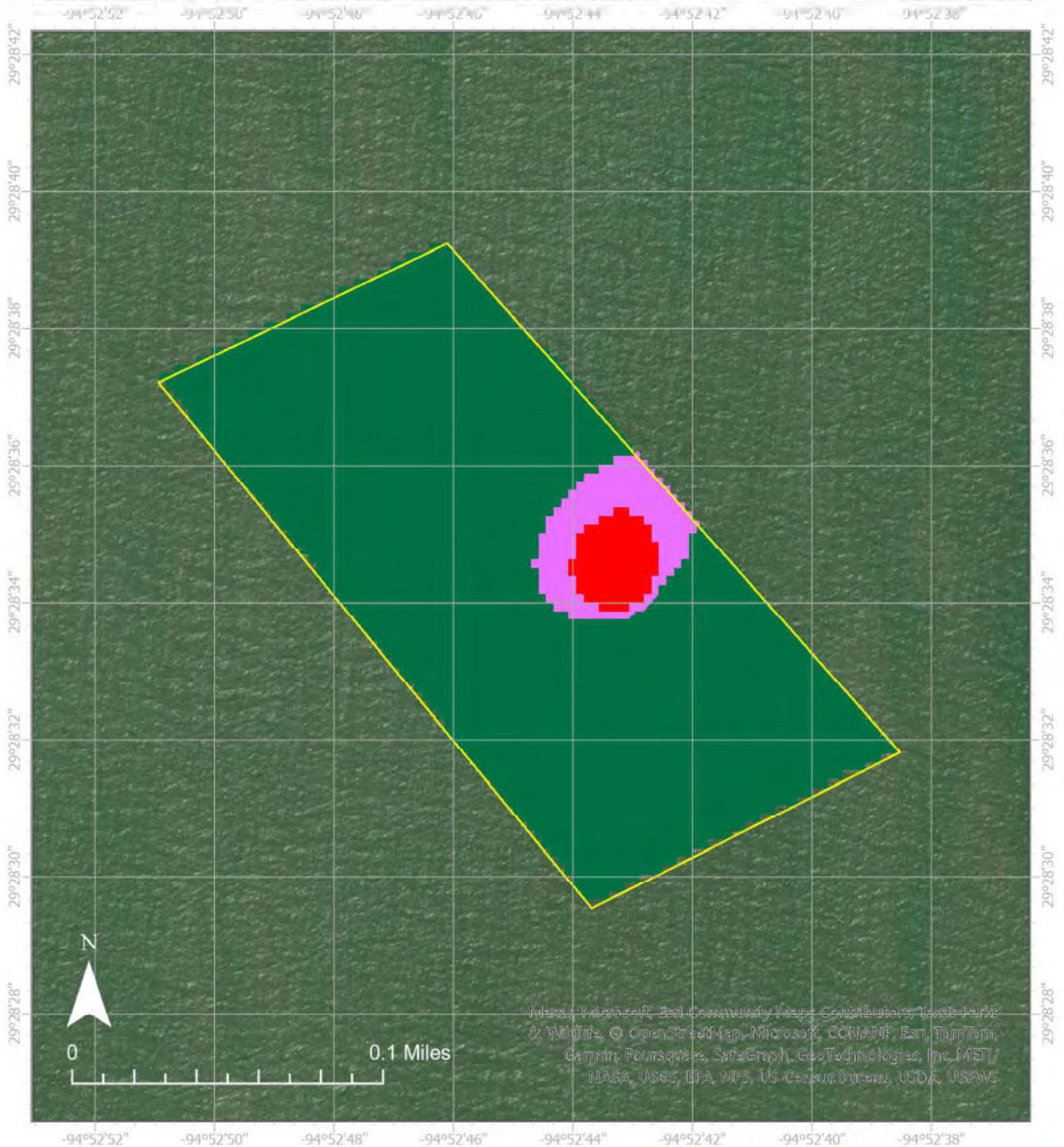
Lease Holder: JEFFERY P. GALLET, JR.
 Lease Number: 3680119
 Latitude: 29.94745, Longitude -89.33191
 Location: SHELL ISLAND LAKE - JUDICIAL PARTITION OF LEASE 3620415.
 Area: 138 acres

7.62 MT CO ₂ /acre/year – 37.97	
13.45 MT CO ₂ /acre/year – 62.01	
19.36 MT CO ₂ /acre/year – 20.79	
Lease Boundary	



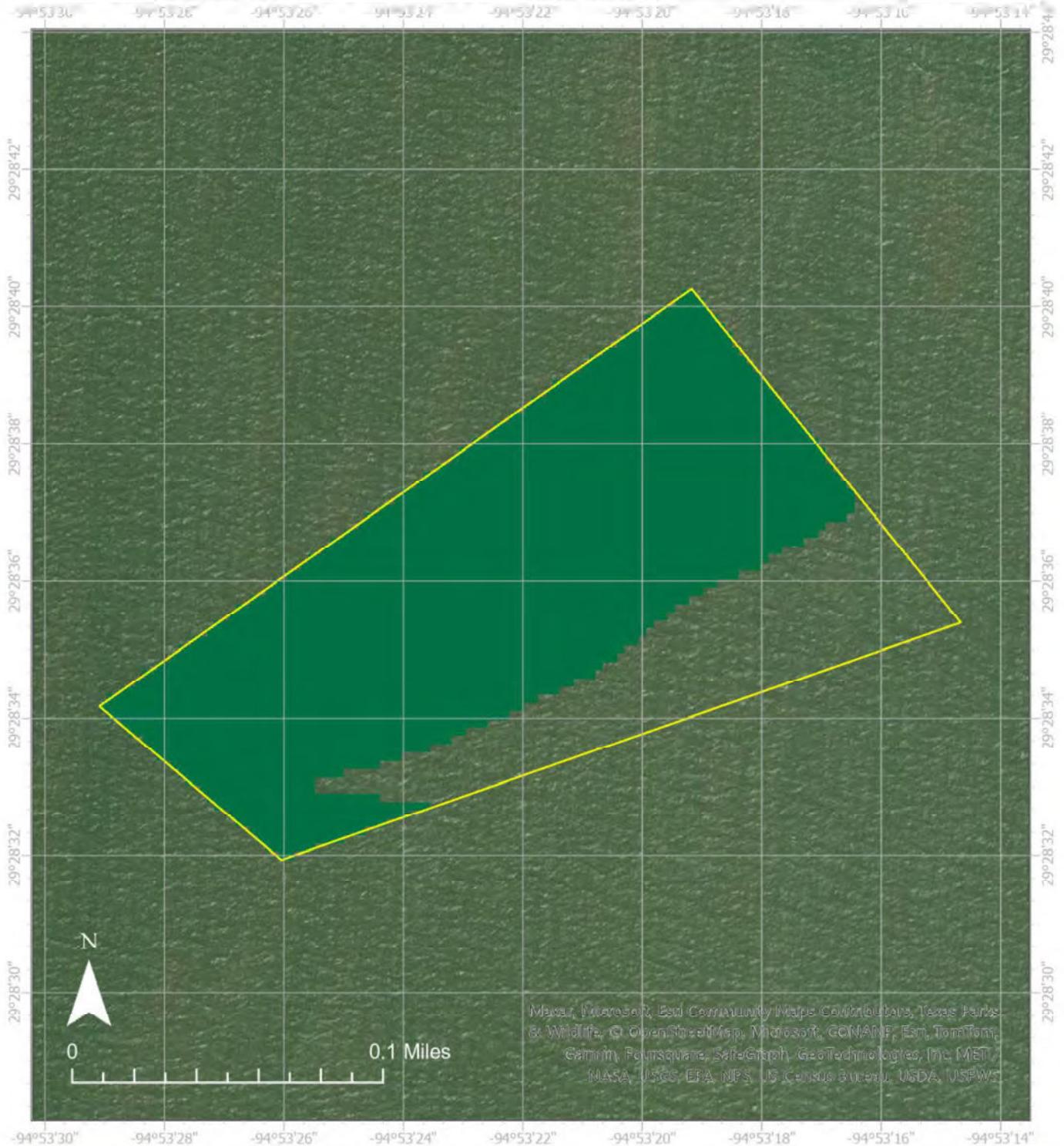
Lease Holder: Johny Jurisich
 Lease Number: 404
 Latitude: 29.48184, Longitude -94.88883
 Location: GALVESTON BAY
 Area: 46 acres

7.62 MT CO ₂ /acre/year – 2.50	
13.45 MT CO ₂ /acre/year – 1.23	
19.36 MT CO ₂ /acre/year – 39.94	
Lease Boundary	



Lease Holder: Romeo Bilcic
 Lease Number: 405
 Latitude: 29.47622, Longitude -94.87910
 Location: GALVESTON BAY
 Area: 11 acres

7.62 MT CO ₂ /acre/year – 0.42	
13.45 MT CO ₂ /acre/year – 0.62	
19.36 MT CO ₂ /acre/year – 9.92	
Lease Boundary	



Lease Holder: Romeo Bilcic
 Lease Number: 406
 Latitude: 29.47659, Longitude -94.88937
 Location: GALVESTON BAY
 Area: 11 acres

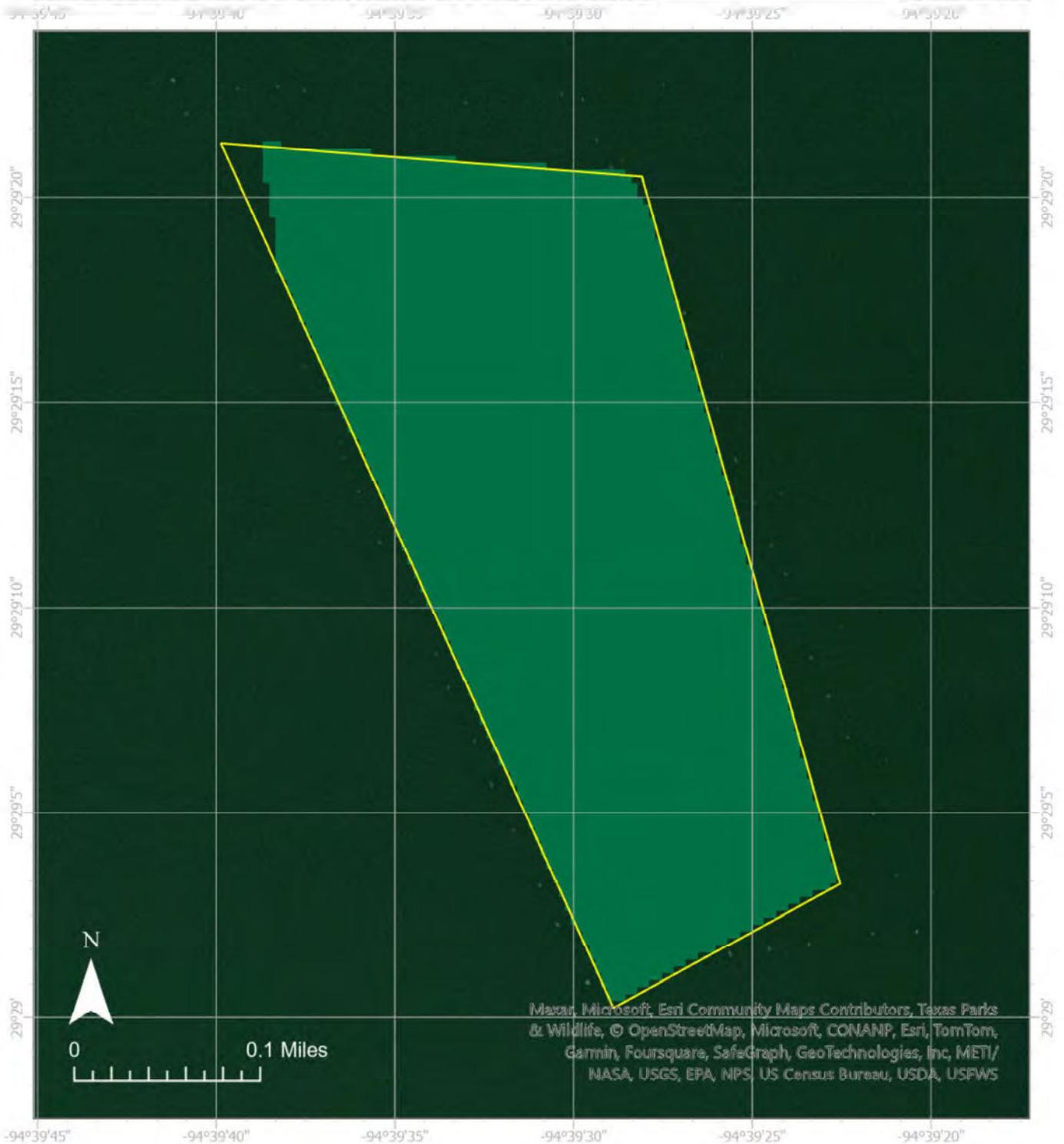
7.62 MT CO₂/acre/year –

13.45 MT CO₂/acre/year –

19.36 MT CO₂/acre/year – 8.68

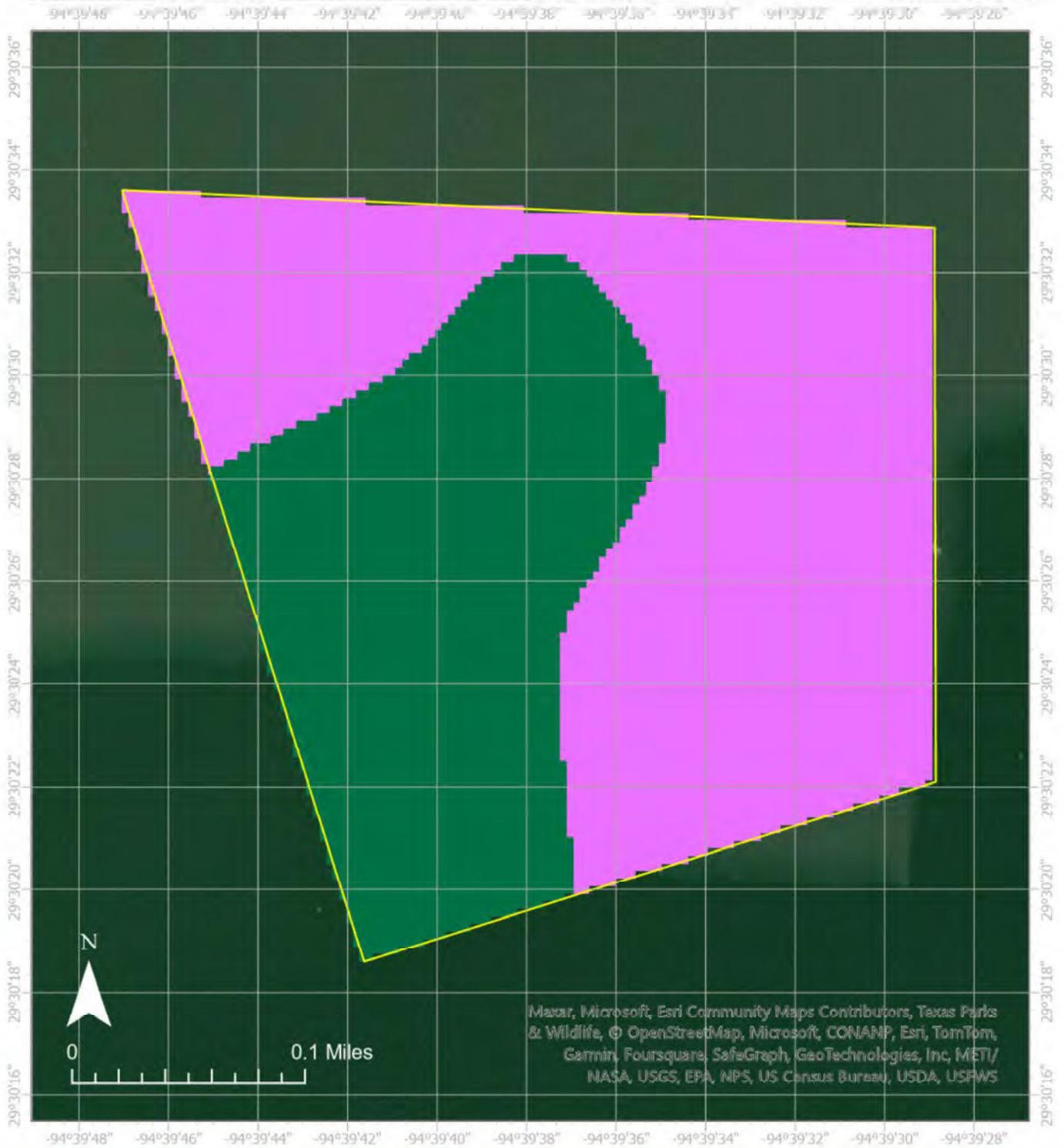
Lease Boundary





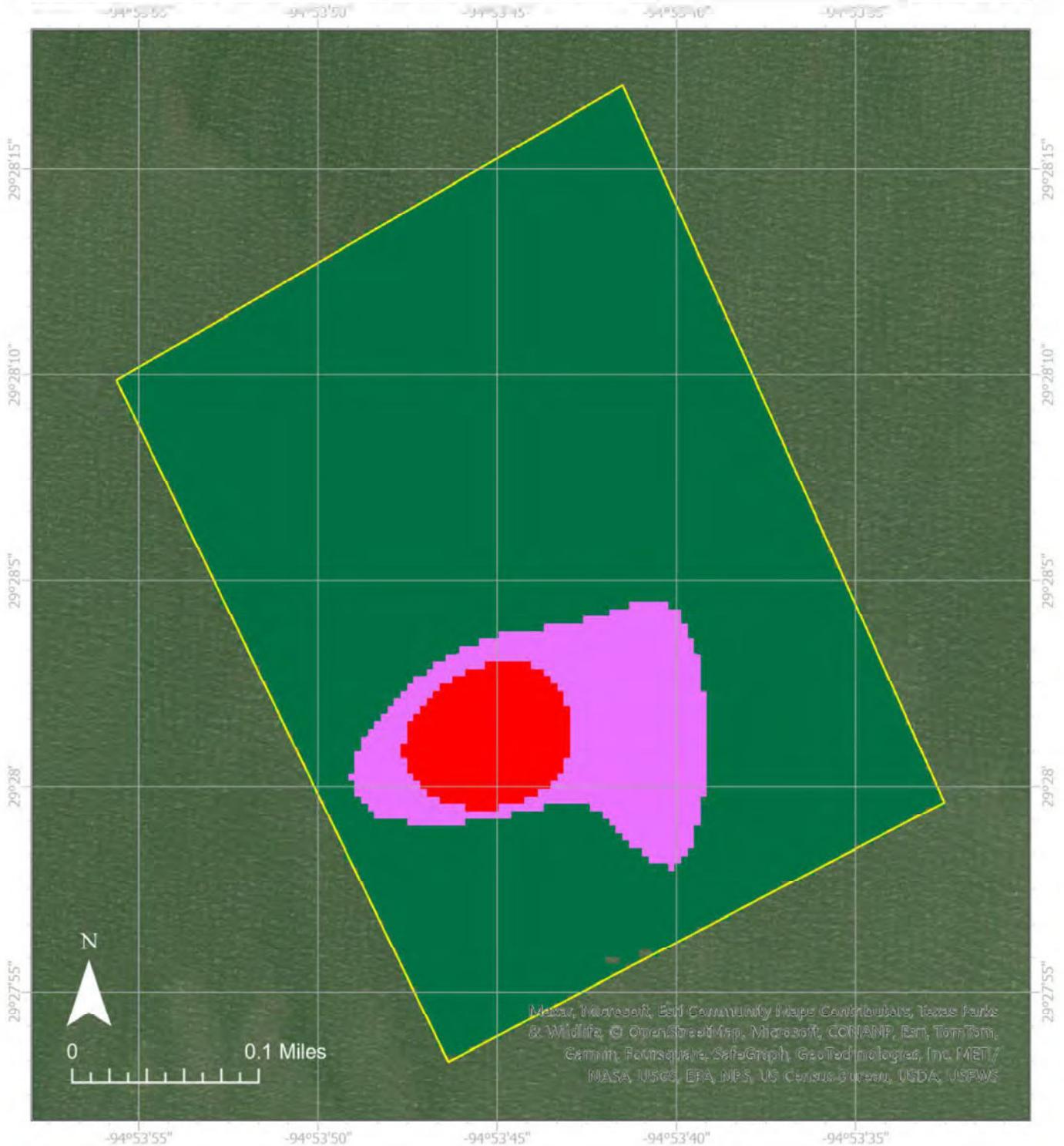
Lease Holder: Michael Ivic
 Lease Number: 420
 Latitude: 29.48665, Longitude -94.65841
 Location: GALVESTON BAY
 Area: 37 acres

7.62 MT CO ₂ /acre/year	—	
13.45 MT CO ₂ /acre/year	—	
19.36 MT CO ₂ /acre/year	— 36.92	
Lease Boundary		



Lease Holder: Michael Ivic
 Lease Number: 422
 Latitude: 29.50752, Longitude -94.66031
 Location: GALVESTON BAY
 Area: 42 acres

7.62 MT CO ₂ /acre/year	–	
13.45 MT CO ₂ /acre/year	– 24.83	
19.36 MT CO ₂ /acre/year	– 16.68	
Lease Boundary		



Mapbox, Microsoft, Esri Community Map Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc. METI/MASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Lease Holder: Johny Jurisich
 Lease Number: 424
 Latitude: 29.46807, Longitude -94.89555
 Location: GALVESTON BAY
 Area: 61 acres

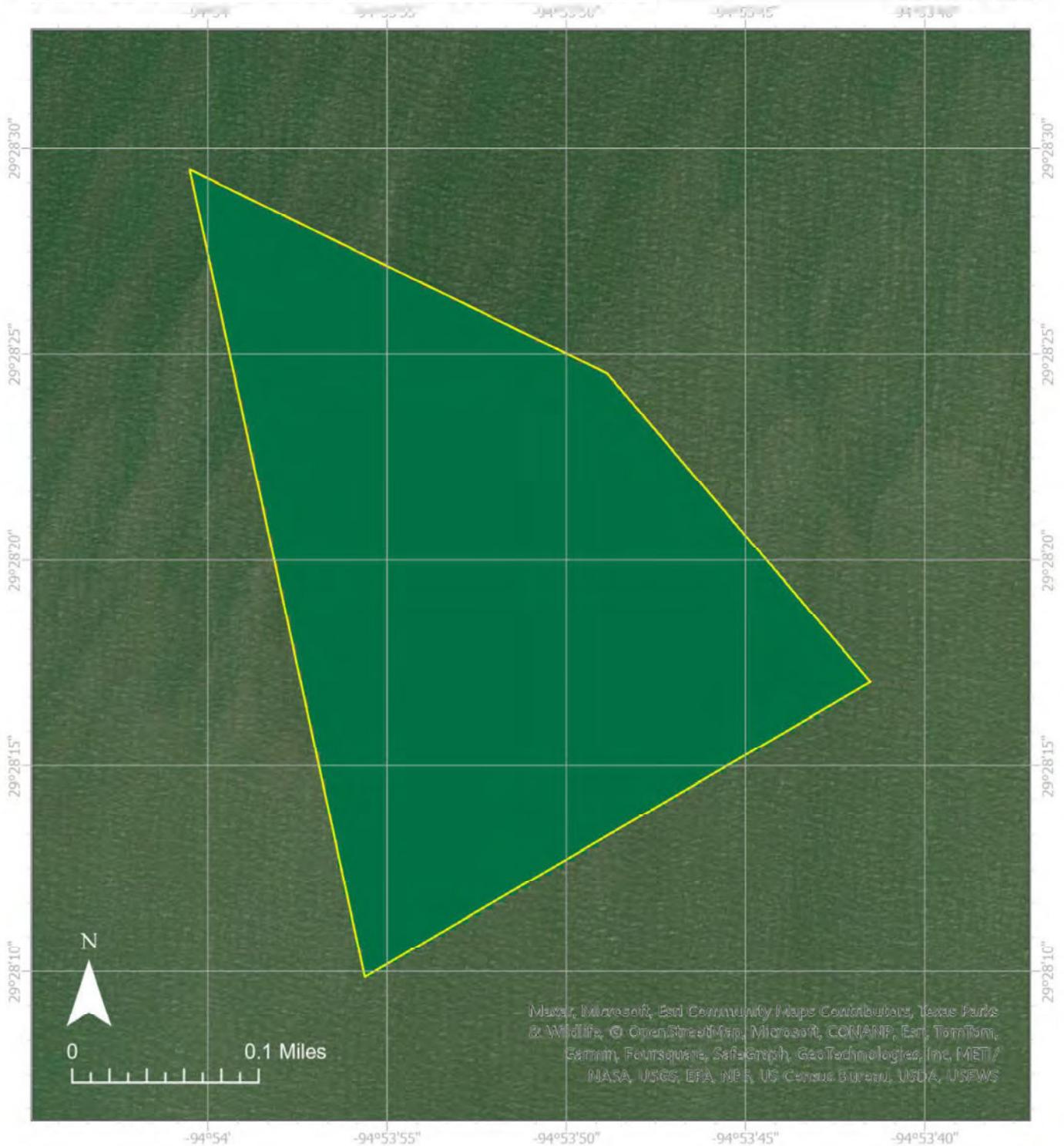
7.62 MT CO₂/acre/year – 2.97

13.45 MT CO₂/acre/year – 6.42

19.36 MT CO₂/acre/year – 51.68

Lease Boundary

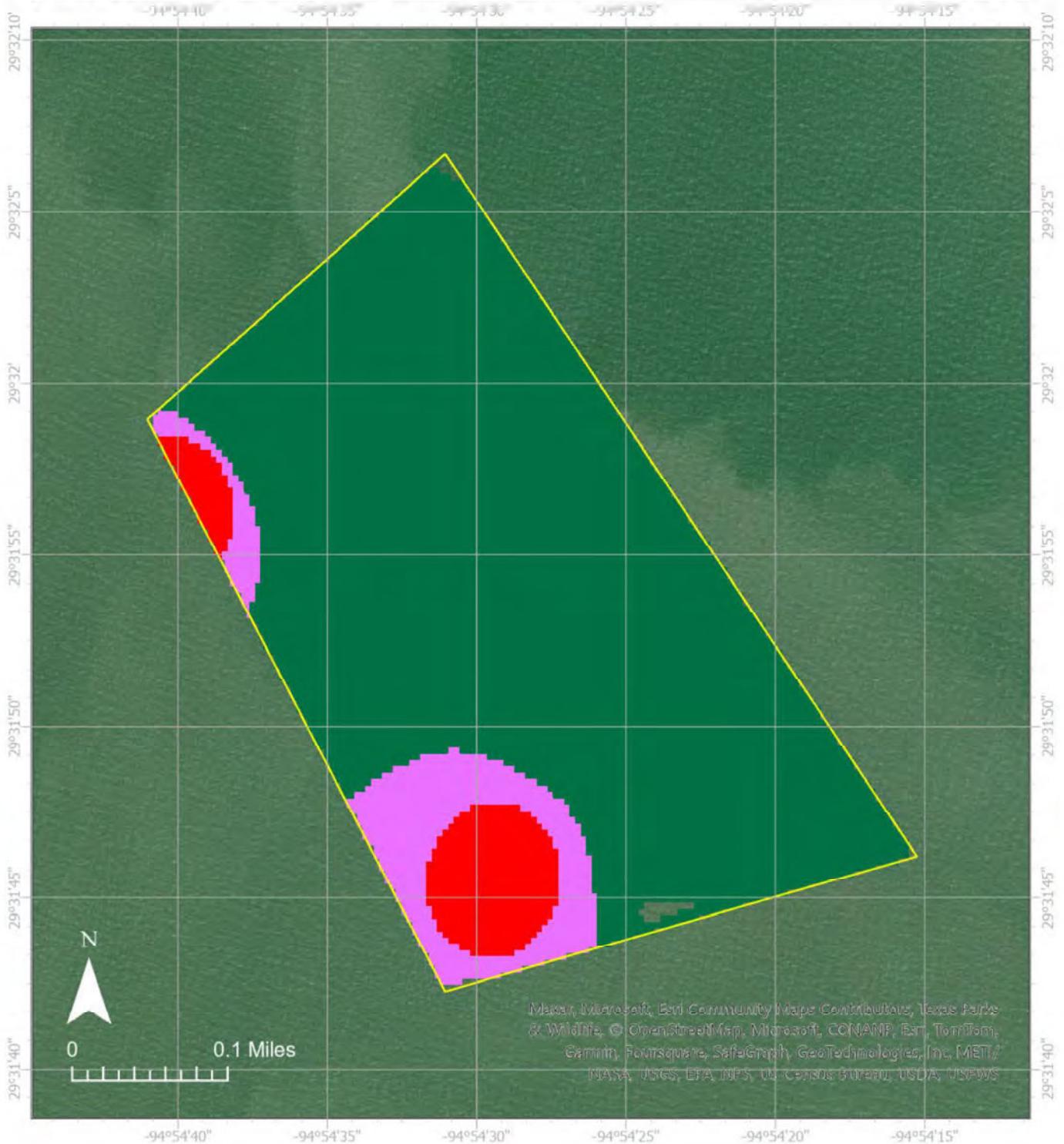




Lease Holder: Johny Jurisich
 Lease Number: 425
 Latitude: 29.47208, Longitude -94.89784
 Location: GALVESTON BAY
 Area: 37 acres

7.62 MT CO₂/acre/year -
 13.45 MT CO₂/acre/year -
 19.36 MT CO₂/acre/year - 37.08





Lease Holder: capture_cvcarbon
 Lease Number: 430
 Latitude: 29.53149, Longitude -94.90809
 Location: GALVESTON BAY
 Area: 64 acres

7.62 MT CO₂/acre/year – 4.58

13.45 MT CO₂/acre/year – 5.79

19.36 MT CO₂/acre/year – 53.65

Lease Boundary



Appendix C: Certificates of Representation

Certificate of Representation

FACILITY INFORMATION

Facility Name 3131420
Address 29.47587511/-89.59327042
Empire LA, 70050
Owners and Operators BAYOU CANARD, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:12:46 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3188221
Address 29.27020079/-89.5718069
Empire LA, 70050
Owners and Operators BAYOU CANARD, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:01:20 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3445210
Address 29.32801155/-89.59099528
Empire LA, 70050
Owners and Operators BAYOU CANARD, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:49:13 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3404709
Address 29.99375024/-89.2299662
SLIDELL LA, 70461
Owners and Operators BAYOU CARLIN FISHERIES, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:32:01 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3128022
Address 29.44900606/-89.9891744
Belle Chasse LA, 70037
Owners and Operators BOZIDAR CIBILIC & BOZIDAR J. CIBILIC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:51:19 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3466710
Address 29.98367662/-89.31222815
Empire LA, 70037
Owners and Operators BOZIDAR CIBILIC & BOZIDAR J. CIBILIC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:23:11 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2667713
Address 29.45033783/-89.98457
Belle Chasse LA, 70037
Owners and Operators BOZIDAR CIBILIC & BOZIDAR J. CIBILIC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Wed, Apr 17, 2024 08:33:52 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3641117
Address 29.3633137/-89.66140313
PORT SULPHUR LA, 70083
Owners and Operators BRIDGET CARGILL ALEXIS, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:44:47 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3577214
Address 29.52031613/-91.92906347
LYDIA LA, 70569
Owners and Operators CAPT. NICK, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:08:00 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2677413
Address 29.45662801/-89.81412235
Belle Chasse LA, 70037
Owners and Operators CAPT. PETE'S OYSTER FARM, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Wed, Apr 17, 2024 08:37:45 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2815916
Address 29.48066003/-89.76054688
Belle Chasse LA, 70037
Owners and Operators CAPT. PETE'S OYSTER FARM, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:44:45 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3218611
Address 29.45878524/-89.77876841
Belle Chasse LA, 70037
Owners and Operators CAPT. PETE'S OYSTER FARM, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:47:12 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3368909
Address 29.45748686/-89.77844199
Belle Chasse LA, 70037
Owners and Operators CAPT. PETE'S OYSTER FARM, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:30:39 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3672213
Address 29.37967308/-90.01674949
Belle Chasse LA, 70037
Owners and Operators CAPT. PETE'S OYSTER FARM, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:11:03 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3393409
Address 29.27959418/-89.56673251
Empire LA, 70050
Owners and Operators DANNELL B. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:30:05 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3574113
Address 29.28107169/-89.55505491
Empire LA, 70050
Owners and Operators DANNELL B. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:47:50 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3667013
Address 29.30771959/-89.59479856
Empire LA, 70050
Owners and Operators DANNELL B. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:54:30 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 425 - FRANCES IVICH JURISICH
Address 29.47207844/-94.89784158
Texas City TX, 77590
Owners and Operators FRANCES IVICH JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:51:35 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3095420
Address 29.27324191/-89.56454212
Empire LA, 70050
Owners and Operators FRANK J. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:06:19 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3150421
Address 29.33620693/-89.59098299
Empire LA, 70050
Owners and Operators FRANK J. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:07:57 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3206521
Address 29.27817497/-89.56356193
Empire LA, 70050
Owners and Operators FRANK J. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:31:45 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3221821
Address 29.26620886/-89.57466683
Empire LA, 70050
Owners and Operators FRANK J. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:35:54 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3229622
Address 29.26412594/-89.60066135
Empire LA, 70050
Owners and Operators FRANK J. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:37:13 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3560012
Address 29.26318263/-89.5722957
Empire LA, 77050
Owners and Operators FRANK J. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:46:24 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2861216
Address 29.34122019/-89.58990459
Empire LA, 70050
Owners and Operators G. I. JOE, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:20:24 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3283422
Address 29.26615214/-89.57031313
Empire LA, 70050
Owners and Operators G. I. JOE, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:38:34 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3469911
Address 29.28225895/-89.5468358
Covington LA, 70433
Owners and Operators FOX SEAFOODS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:39:53 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3564612
Address 29.26711065/-89.57945422
Empire LA, 70050
Owners and Operators FRANK J. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:52:05 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3221111
Address 29.23386765/-90.65744205
Houma LA, 70363
Owners and Operators GALLET OYSTERS, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:33:57 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2782315
Address 29.30735484/-89.59812491
Empire LA, 70050
Owners and Operators GRASSHOPPER OYSTERS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:06:39 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2861216
Address 29.34122019/-89.58990459
Empire LA, 70050
Owners and Operators CV Carbon, LLC, GRASSHOPPER OYSTERS, INC.
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Wed, Apr 24, 2024 10:39:29 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2775915
Address 29.47587511/-91.93468266
LYDIA LA, 70569
Owners and Operators GULF OYSTERS I, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:01:48 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2776115
Address 29.47751365/-91.93170942
LYDIA LA, 70569
Owners and Operators GULF OYSTERS I, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:04:51 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2911118
Address 29.55461963/-92.03788943
LYDIA LA, 70569
Owners and Operators GULF OYSTERS I, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:44:40 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2912218
Address 29.39852313/-91.85282443
LYDIA LA, 70569
Owners and Operators GULF OYSTERS IV, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:46:21 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2914118
Address 29.4959586/-91.89684893
LYDIA LA, 70569
Owners and Operators GULF OYSTERS I, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:51:16 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2924418
Address 29.50110235/-91.89179936
LYDIA LA, 70569
Owners and Operators GULF OYSTERS I, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:58:31 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3131120
Address 29.58210566/-92.12359632
LYDIA LA, 70569
Owners and Operators GULF OYSTERS I, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:21:18 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3549412
Address 29.40920435/-91.85035202
LYDIA LA, 70569
Owners and Operators GULF OYSTERS I, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:42:32 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3656212
Address 29.47565611/-91.93565398
LYDIA LA, 70569
Owners and Operators GULF OYSTERS I, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:45:01 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2955018
Address 29.45934465/-91.90381099
LYDIA LA, 70569
Owners and Operators GULF OYSTERS II, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:55:45 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3104720
Address 29.37099802/-89.61966271
LYDIA LA, 70569
Owners and Operators GULF OYSTERS II, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:03:24 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3136921
Address 29.50038098/-91.8705758
LYDIA LA, 70569
Owners and Operators GULF OYSTERS II, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:05:08 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3202421
Address 29.38152207/-89.62230469
LYDIA LA, 70569
Owners and Operators GULF OYSTERS II, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:22:54 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3656111
Address 29.4978508/-91.94066976
LYDIA LA, 70569
Owners and Operators GULF OYSTERS II, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:53:16 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2909017
Address 29.45995568/-91.82603301
LYDIA LA, 70569
Owners and Operators GULF OYSTERS III, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:26:13 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2914218
Address 29.47011289/-91.83924575
LYDIA LA, 70569
Owners and Operators GULF OYSTERS III, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:56:26 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2914318
Address 29.45252371/-91.85400231
LYDIA LA, 70569
Owners and Operators GULF OYSTERS III, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:52:41 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2924118
Address 29.4032674/-91.84722056
LYDIA LA, 70569
Owners and Operators GULF OYSTERS III, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:59:42 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2874417
Address 29.52010061/-91.98498426
LYDIA LA, 70569
Owners and Operators GULF OYSTERS IV, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:21:54 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2910018A
Address 29.57971314/-92.07055565
ABBEVILLE LA, 70510
Owners and Operators GULF OYSTERS IV, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 11:19:41 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2910018C
Address 29.57960399/-92.05656514
ABBEVILLE LA, 70510
Owners and Operators GULF OYSTERS IV, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 11:18:02 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2911518
Address 29.45239079/-91.8460006
LYDIA LA, 70569
Owners and Operators GULF OYSTERS IV, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:37:28 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2924318
Address 29.43729451/-91.8437859
LYDIA LA, 70569
Owners and Operators GULF OYSTERS IV, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:53:52 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3449110
Address 29.37495928/-89.63619917
LYDIA LA, 70569
Owners and Operators GULF OYSTERS IV, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:20:27 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3569212
Address 29.99204338/-89.33316232
LYDIA LA, 70569
Owners and Operators GULF OYSTERS IV, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:12:29 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3659712
Address 29.58418744/-92.07010697
LYDIA LA, 70569
Owners and Operators GULF OYSTERS VI, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:17:48 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2811322
Address 29.41384898/-89.99948426
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 02:05:00 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2811422
Address 29.41458043/-90.00950995
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 02:03:51 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2811522
Address 29.41389753/-89.99663063
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 02:02:32 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2811622
Address 29.41132196/-90.00245314
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 02:01:27 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2889822
Address 29.41550711/-90.00135427
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:58:07 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2914718
Address 29.42438463/-91.85193541
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:56:59 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2914818
Address 29.42446797/-91.83631512
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 02:00:19 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2970922
Address 29.41408895/-90.00262256
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:55:58 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2971022
Address 29.41295448/-90.0054537
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:55:01 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2998022
Address 29.41502762/-90.00438145
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:53:48 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2998222
Address 29.40961184/-90.00421702
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:59:12 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3007419
Address 29.49501965/-91.85370877
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:52:40 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3135420
Address 29.51218577/-91.937202
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:49:51 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3173422
Address 29.4756615/-90.04160282
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:48:31 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3319623
Address 29.45776056/-90.05250833
Lydis LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:33:44 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3445910
Address 29.40963351/-90.00868021
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:24:37 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3549512
Address 29.41038161/-89.99926437
LYDIA KY, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:15:12 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3659412
Address 29.42606885/-91.8321108
LYDIA LA, 70569
Owners and Operators GULF OYSTERS V, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:05:56 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2702813
Address 29.30923144/-89.59884511
Empire LA, 70050
Owners and Operators GULF STAR OYSTERS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Wed, Apr 17, 2024 08:35:57 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2786315
Address 29.31449807/-89.59854077
Empire LA, 70050
Owners and Operators GULF STAR OYSTERS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 02:08:11 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2789115
Address 29.26785186/-89.57842515
Empire LA, 70050
Owners and Operators GULF STAR OYSTERS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 02:06:33 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3217721
Address 29.33905755/-89.56981475
Empire LA, 70050
Owners and Operators GULF STAR OYSTERS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:00:24 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3220521
Address 29.32542611/-89.59725845
Empire LA, 70050
Owners and Operators GULF STAR OYSTERS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:40:27 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3408609
Address 29.26895434/-89.57834958
Empire LA, 70050
Owners and Operators GULF STAR OYSTERS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:29:20 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3524812
Address 29.31170866/-89.59882095
Empire LA, 70050
Owners and Operators GULF STAR OYSTERS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:16:30 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3442410
Address 29.26762118/-89.57550779
Empire LA, 70050
Owners and Operators GULF WAVE OYSTERS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:25:43 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 430
Address 29.53148995/-94.90808719
League City TX, 77573
Owners and Operators IVO SLABIC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:48:09 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2803116
Address 29.38270386/-89.67305665
Houma LA, 70363
Owners and Operators J AND R OYSTERS, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:45:51 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3256522
Address 29.29883959/-89.56870496
Houma LA, 70363
Owners and Operators J AND R OYSTERS, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:35:03 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3665812
Address 29.38706109/-89.67244672
Houma LA, 70363
Owners and Operators J AND R OYSTERS, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:49:58 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3680019
Address 29.94921667/-89.33668354
Houma LA, 70363
Owners and Operators J AND R OYSTERS, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:05:03 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3415010
Address 29.25477994/-90.78952048
Houma LA, 70363
Owners and Operators JAG OYSTER FARMS, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:13:58 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3415410
Address 29.37013949/-90.67071744
Houma LA, 70363
Owners and Operators JAG OYSTER FARMS, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:03:33 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3415710
Address 29.2524849/-90.78062272
Houma LA, 70363
Owners and Operators JAG OYSTER FARMS, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:27:43 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3459010
Address 29.2237978/-90.83838311
Houma LA, 70363
Owners and Operators JAG OYSTER FARMS, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:19:10 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3551312
Address 29.33112129/-90.54608687
Houma LA, 70363
Owners and Operators JEFFERY P. GALLET, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 08:24:52 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3646515
Address 29.36142327/-89.6966687
Houma LA, 70363
Owners and Operators JEFFERY P. GALLET, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:46:15 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2864916
Address 29.36164427/-89.66323316
Houma LA, 70363
Owners and Operators JEFFERY P. GALLET, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:43:16 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3209821
Address 29.32789535/-89.62245746
Houma LA, 70363
Owners and Operators JEFFERY P. GALLET, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:41:52 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3250022
Address 29.36997572/-89.66429518
Houma LA, 70363
Owners and Operators JEFFERY P. GALLET, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:39:10 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3465910
Address 29.83461751/-89.3038567
Houma LA, 70363
Owners and Operators JEFFERY P. GALLET, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:56:37 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3574813
Address 29.82455693/-89.37572014
Houma LA, 70363
Owners and Operators JEFFERY P. GALLET, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:09:56 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3632316
Address 29.3646268/-89.64863464
Houma LA, 70363
Owners and Operators JEFFERY P. GALLET, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:59:09 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3675914
Address 29.93469216/-89.25167219
Houma LA, 70363
Owners and Operators JEFFERY P. GALLET, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:58:03 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3680119
Address 29.94745432/-89.33191052
Houma LA, 70363
Owners and Operators JEFFERY P. GALLET, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:54:52 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2760015
Address 29.25162682/-90.67180225
Houma LA, 70363
Owners and Operators JPG PREMIUM OYSTERS, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:18:39 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2960513
Address 29.22501137/-90.6458714
Houma LA, 70363
Owners and Operators JPG PREMIUM OYSTERS, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:01:58 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3301523
Address 29.2318686/-90.647924
Houma LA, 70363
Owners and Operators JPG PREMIUM OYSTERS, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:24:50 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3465010
Address 29.3603491/-90.60567535
Houma LA, 70363
Owners and Operators JPG OYSTER FARMS, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:31:11 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name JURE'S OYSTERS, LLC
Address 29.97176859/-89.31260006
League City TX, 77573
Owners and Operators JURE'S OYSTERS, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:41:23 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 424 - JURISICH & SONS, INC
Address 29.46806504/-94.89555398
Texas City TX, 77590
Owners and Operators JURISICH & SONS, INC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:02:04 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2685313
Address 29.38194851/-89.61905745
Belle Chasse LA, 70037
Owners and Operators KUZMA I. TESVICH, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:17:18 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2891617
Address 29.38933577/-89.62801638
Belle Chasse LA, 70037
Owners and Operators KUZMA I. TESVICH, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:05:07 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3119220
Address 29.38912389/-89.61642813
Belle Chasse LA, 70037
Owners and Operators KUZMA I. TESVICH, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:58:40 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3467010
Address 29.99067767/-89.31229716
Belle Chasse LA, 70037
Owners and Operators LEPETICH AQUACULTURE, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:36:36 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3137221
Address 29.26833171/-89.56688382
Empire LA, 70050
Owners and Operators LITTLE FRANK, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:03:36 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3445810
Address 29.25611255/-89.56474403
Empire LA, 70050
Owners and Operators LITTLE MITCH, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:33:46 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2694813
Address 29.71011704/-89.58457959
Belle Chasse LA, 70037
Owners and Operators M.J. LEPETICH OYSTERS, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:15:32 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 420 - MICHAEL IVIC
Address 29.48665055/-94.65841307
SEABROOK TX, 77586
Owners and Operators MICHAEL IVIC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:39:58 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 422 - Michael Ivic
Address 29.50751602/-94.66031404
SEABROOK TX, 77586
Owners and Operators MICHAEL IVIC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:38:23 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2872717
Address 29.43695804/-91.82792751
ABBEVILLE LA, 70510
Owners and Operators MISHO'S QUALITY OYSTERS, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:12:54 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2910018B
Address 29.56686665/-92.062307
ABBEVILLE LA, 70510
Owners and Operators MISHO'S QUALITY OYSTERS, L.L.C.
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 08:19:37 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2980819
Address 29.57290884/-92.06591765
Abbeville, LA LA, 70510
Owners and Operators MISHO'S QUALITY OYSTERS, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:00:30 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3453410
Address 29.98934953/-89.28091321
SLIDELL LA, 70461
Owners and Operators MISHO'S QUALITY OYSTERS, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:32:28 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3457510
Address 29.98914819/-89.28721119
SLIDELL LA, 70461
Owners and Operators MISHO'S QUALITY OYSTERS, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:09:14 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3605915
Address 29.8285723/-89.39616627
Belle Chasse LA, 70037
Owners and Operators M.J. LEPETICH OYSTERS, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:27:18 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3652511
Address 29.97850149/-89.33924927
SLIDELL LA, 70510
Owners and Operators MISHO'S QUALITY OYSTERS, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:26:07 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3652611
Address 30.00461448/-89.38172583
SLIDELL LA, 70461
Owners and Operators MISHO'S QUALITY OYSTERS, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:06:47 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2711914
Address 29.27322427/-89.56374877
Empire LA, 70050
Owners and Operators MITCHELL B. JURISICH, JR. AND FRANK J. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:57:25 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3644012
Address 29.31234724/-89.59438848
Empire LA, 70050
Owners and Operators MITCHELL B. JURISICH, JR. AND FRANK J. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:10:23 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3644112
Address 29.31038662/-89.59546939
Empire LA, 70050
Owners and Operators MITCHELL B. JURISICH, JR. AND FRANK J. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:08:03 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3644812
Address 29.33319953/-89.5773072
Empire LA, 70050
Owners and Operators MITCHELL B. JURISICH, JR. AND FRANK J. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:04:48 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3644912
Address 29.33625067/-89.5878607
Empire LA, 70050
Owners and Operators MITCHELL B. JURISICH, JR. AND FRANK J. JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:09:17 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2797215
Address 29.3584036/-89.60091356
Empire LA, 70050
Owners and Operators MITCHELL B. JURISICH, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:26:14 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2863716
Address 29.31849321/-89.59853565
Empire LA, 70050
Owners and Operators MITCHELL B. JURISICH, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:56:17 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3162421
Address 29.26833356/-89.58022367
Empire LA, 70050
Owners and Operators MITCHELL B. JURISICH, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:16:53 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3247422
Address 29.33283669/-89.59044218
Empire LA, 70050
Owners and Operators MITCHELL B. JURISICH, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:20:58 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3247522
Address 29.33409411/-89.57554073
Empire LA, 70050
Owners and Operators MITCHELL B. JURISICH, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:19:48 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3431510
Address 29.33783119/-89.58056972
Empire LA, 70050
Owners and Operators MITCHELL B. JURISICH, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:13:25 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3478011
Address 29.33420751/-89.57883128
Empire LA, 70050
Owners and Operators MITCHELL B. JURISICH, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:35:22 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2831216
Address 29.34139042/-89.64078342
Houma LA, 70363
Owners and Operators OYSTER EAGLE 2, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:23:46 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3168721
Address 29.31103028/-89.59060522
Houma LA, 70363
Owners and Operators OYSTER EAGLE 2, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:23:43 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3590014
Address 29.24025629/-90.65840135
Houma LA, 70363
Owners and Operators OYSTER EAGLE 5, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:11:36 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2936513
Address 29.22490653/-90.64346403
Houma LA, 70363
Owners and Operators OYSTER EAGLE 6, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:21:24 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2739114
Address 29.28290818/-90.6330731
Houma LA, 70363
Owners and Operators OYSTER EAGLE 7, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:14:19 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3156511
Address 29.26557343/-90.66103903
Houma LA, 70363
Owners and Operators OYSTER EAGLE 7, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:55:07 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3199721
Address 29.27374113/-90.6222084
Houma LA, 70363
Owners and Operators OYSTER EAGLE 7, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:22:19 PM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3407409
Address 29.27892626/-90.61331674
Houma LA, 70363
Owners and Operators OYSTER EAGLE 7, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:14:22 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3081020
Address 29.33489215/-90.64887228
Houma LA, 70363
Owners and Operators OYSTER EAGLE 8, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 10:18:37 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3556612
Address 29.2725232/-90.60987708
Houma LA, 70363
Owners and Operators OYSTER EAGLE 8, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 10:10:54 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2936813
Address 29.22647924/-90.65077724
Houma LA, 70363
Owners and Operators OYSTER EAGLE 10, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:20:12 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2940518
Address 29.22479024/-90.6417614
Houma LA, 70050
Owners and Operators OYSTER EAGLE 10, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:18:38 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3259522
Address 29.22228401/-90.64121946
Houma LA, 70363
Owners and Operators OYSTER EAGLE 10, LLC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:16:08 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3480211
Address 29.23979265/-90.65613327
Houma LA, 70363
Owners and Operators OYSTER EAGLE 10, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 01:21:48 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2772815
Address 29.36456899/-89.65407489
Houma LA, 70363
Owners and Operators OYSTER EAGLE, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:03:11 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2794715
Address 29.3478925/-89.62394608
Houma LA, 70363
Owners and Operators OYSTER EAGLE, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 10:59:41 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2797015
Address 29.32722824/-89.6213166
Houma LA, 70363
Owners and Operators OYSTER EAGLE, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 10:57:29 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2815516
Address 29.36953625/-89.65375107
Houma LA, 70363
Owners and Operators OYSTER EAGLE, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 10:56:17 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2850316
Address 29.3331483/-89.62372413
Houma LA, 70363
Owners and Operators OYSTER EAGLE, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 11:01:11 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2850416
Address 29.31507485/-89.62439286
Houma LA, 70363
Owners and Operators OYSTER EAGLE, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 10:54:58 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2861016
Address 29.36259049/-89.69380065
Houma LA, 70363
Owners and Operators OYSTER EAGLE, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 10:20:21 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2885517
Address 29.3679153/-89.63627703
Houma LA, 70363
Owners and Operators OYSTER EAGLE, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 10:16:57 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3156021
Address 29.31490122/-89.62381005
Houma LA, 70363
Owners and Operators OYSTER EAGLE, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 10:15:29 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3412709
Address 29.34744435/-89.62692081
Houma LA, 70363
Owners and Operators OYSTER EAGLE, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 10:14:15 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3520212
Address 29.29985012/-89.57296473
Houma LA, 70363
Owners and Operators OYSTER EAGLE, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 10:12:42 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3640017
Address 29.36403065/-89.65086063
Houma LA, 70363
Owners and Operators OYSTER EAGLE, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 10:09:33 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3657912
Address 29.36712206/-89.6491236
Houma LA, 70363
Owners and Operators OYSTER EAGLE, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 10:07:02 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2724314
Address 30.02977376/-89.24330077
SLIDELL LA, 70461
Owners and Operators PEARL RIVER FISHERIES OF LOUISIANA, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 11:24:38 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3386809
Address 30.00250927/-89.26016181
SLIDELL LA, 70461
Owners and Operators PEARL RIVER FISHERIES OF LOUISIANA, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 11:23:00 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3404009
Address 29.99383248/-89.26171045
Houma LA, 70461
Owners and Operators PEARL RIVER FISHERIES OF LOUISIANA, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 08:27:13 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3576413
Address 29.98262571/-89.28087402
SLIDELL LA, 70461
Owners and Operators PEARL RIVER FISHERIES OF LOUISIANA, L.L.C., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 08:14:12 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3247922
Address 29.25767525/-89.57312532
Empire LA, 70050
Owners and Operators PELICAN ISLAND OYSTERS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 08:07:40 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2756615
Address 29.2981559/-89.58439117
Belle Chasse LA, 70037
Owners and Operators PETER G. VUJNOVICH, JR., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 08:37:16 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3010911
Address 29.45556092/-89.81935315
Belle Chasse LA, 70037
Owners and Operators PETER VUJNOVICH, JR. & FRANK VUJNOVICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 08:10:19 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3161309
Address 29.25793158/-89.58217418
Empire LA, 70050
Owners and Operators PRINCE CHARMING, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 11:16:04 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3161621
Address 29.27345709/-89.58284598
Empire LA, 70050
Owners and Operators PRINCE CHARMING, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 11:13:40 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3248122
Address 29.33075652/-89.58189114
Empire LA, 70050
Owners and Operators PRINCE CHARMING, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 11:10:35 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3248222
Address 29.33815641/-89.58746143
Empire LA, 70050
Owners and Operators PRINCE CHARMING, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 08:29:25 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2710314
Address 29.405356/-89.67913084
Covington LA, 70433
Owners and Operators FOX SEAFOODS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 09:58:30 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2861116
Address 29.35893817/-89.67460638
Covington LA, 70433
Owners and Operators FOX SEAFOODS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:24:47 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 2908817
Address 29.3589549/-89.63599375
Covington LA, 70433
Owners and Operators FOX SEAFOODS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 10:43:05 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

If there are multiple owners and operators of the facility or supplier, as applicable, I certify that I have given a written notice of my selection as the 'designated representative' or 'alternate designated representative', as applicable, and of the agreement by which I was selected to each owner and operator of the facility or supplier.

Certificate of Representation

FACILITY INFORMATION

Facility Name 3337823
Address 29.37759809/-89.62401953
Covington LA, 70433
Owners and Operators FOX SEAFOODS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:41:13 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3445410
Address 29.37555845/-89.62114267
Covington LA, 70433
Owners and Operators FOX SEAFOODS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:43:47 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3676114
Address 29.36439185/-89.65965466
Covington LA, 70433
Owners and Operators FOX SEAFOODS, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Tue, Apr 16, 2024 11:50:42 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 405 - ROMEO BILCIC
Address 29.47622117/-94.8791017
SEABROOK TX, 77586
Owners and Operators ROMEO BILCIC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 11:31:26 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the facility or supplier, as applicable, shall be bound by any order issued to me by the Administrator or a court regarding the facility or supplier.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 406 - ROMEO BILCIC
Address 29.47658672/-94.8893652
SEABROOK TX, 77586
Owners and Operators ROMEO BILCIC, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 11:28:41 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 404 - RUZICA JURISICH
Address 29.48184261/-94.88882735
Texas City TX, 77590
Owners and Operators RUZICA JURISICH, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 12:53:25 PM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2893217
Address 29.38542758/-89.60984525
Empire LA, 70050
Owners and Operators SHELL ISLAND, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 08:22:34 AM

Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3161409
Address 29.2652112/-89.59010151
Empire LA, 70050
Owners and Operators SHELL ISLAND, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 08:33:51 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 2876022
Address 29.28354977/-89.57347565
Belle Chasse LA, 70037
Owners and Operators TESVICH OYSTER CORPORATION, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 11:21:18 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3650111
Address 29.39233876/-89.61845045
Belle Chasse LA, 70037
Owners and Operators TESVICH OYSTER CORPORATION, CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Fri, Apr 19, 2024 08:16:40 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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Certificate of Representation

FACILITY INFORMATION

Facility Name 3668613
Address 29.39305318/-89.69199266
PORT SULPHUR LA, 70083
Owners and Operators THE SHELLEY COMPANY, INC., CV Carbon, LLC
Potentially Applicable Subparts RR (RPT)-Geologic Sequestration of Carbon Dioxide

REPRESENTATIVE INFORMATION

Designated Representative Jeffrey Pinsky
CV Carbon
4436 Damasco Cove
League City TX, 77573
Phone: 713-829-5271
jpinsky@cvcarbon.com
Signature Date Mon, Apr 22, 2024 10:04:00 AM
Alternate Designated Representative

Signature Date

CERTIFICATION STATEMENTS

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the facility or supplier, as applicable.

I certify that I have all the necessary authority to carry out my duties and responsibilities under 40 CFR part 98 on behalf of the owners and operators of the facility or supplier, as applicable, and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

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**Appendix D: Quality Assurance Project Plan
(QAPP) For Collecting, Identifying and
Evaluating Existing Scientific Data/Information**

Quality Assurance Project Plan (QAPP) For Collecting, Identifying and Evaluating Existing Scientific Data/Information

Geologic disposal of captured carbon dioxide using the eastern
oyster (*Crassostrea virginica*).

Mass Balance and Life Cycle Analysis

CV Carbon LLC

Name: Jeffrey Pinsky

Title: Ecologist and Facility DR

Approval: Yes No

Signature: *Jeffrey Pinsky*

Date: 4/24/2024

1.0 Project Description and Background

CV Carbon, LLC is developing a carbon capture and storage (CCS) program that uses oyster cultivation to remove Carbon Dioxide (CO₂) from the atmosphere.

2.0 Data Quality Objectives

This document follows the EPA's Guidance for Geospatial Data Quality Assurance Project Plans (EPA QA/G-5G¹) and the EPA's Elements of a Quality Assurance Project Plan, For Collecting, Identifying and Evaluating Existing Scientific Data/Information.

3.0 Project Organization and Responsibilities of the Researcher

CV Carbon, LLC is using published research and data to develop the metrics for the carbon capture and storage (CCS) project. The primary purpose of this QAPP is to document the considerations and review performed to ensure that the research and data adopted for this project meets sound science and engineering principles. CV Carbon LLC will contract a qualified independent reviewer to evaluate all aspects of the CCS project including the QAPP.

Key studies used in the development of the CCS project are evaluated below.

¹ <https://www.epa.gov/sites/default/files/2015-06/documents/g5g-final.pdf>

3.1 Key Study 1: Fodrie *et al.* 2017

1. Basic Information

- Study Identifier(s): Jeff Pinsky
- Author(s): Fodrie FJ (e-mail: jfodrie@unc.edu), Rodriguez AB, Gittman RK, Grabowski JH, Lindquist NL, Peterson CH, Piehler MF, Ridge JT.
- Title: Oyster reefs as carbon sources and sinks
- Citation: Fodrie F.J., Rodriguez A.B., Gittman R.K., Grabowski J.H., Lindquist N.L., Peterson C.H., Piehler M.F., Ridge J.T. 2017 Oyster reefs as carbon sources and sinks. Proc. R. Soc. B 284: 20170891. <http://dx.doi.org/10.1098/rspb.2017.0891>
- Storage Location: Publicly available on the internet- <https://royalsocietypublishing.org/doi/10.1098/rspb.2017.0891>

2. Why is this a key study compared to other studies reviewed for this particular project?

- Study is an example of new research
- Study confirms previous study
- Study replaces weaker previous study
- best or only available study
- other: This study sampled both inorganic and organic carbon values from sediment cores taken from 19-decade-old experimentally constructed reefs, natural reefs, and relic reefs. Additionally, the study included oyster density counts for a subset of the reefs.

3. The different aspects of a study listed below are important to consider in an evaluation of the quality of a key study. In your evaluation of the quality of a key study identified above, check the box that best describes the degree to which the key study addresses these aspects, i.e., as Acceptable (Accept.), Marginal (Marg.), or Unacceptable (Unaccept.); if the aspect is not applicable to the study, check (N/A); or if there is insufficient information available in the study report to evaluate the aspect, check Indeterminate (Indeter.).

Accept.	Marg.	Unaccept	N/A	Indeter.	
<input checked="" type="checkbox"/>					Clearly stated hypotheses with null and alternate indicated
<input checked="" type="checkbox"/>					Overall design of the study
<input checked="" type="checkbox"/>					Appropriateness of statistical methods used and reporting of results
<input checked="" type="checkbox"/>					Specification of the units of analysis
<input checked="" type="checkbox"/>					Identification and explanation of missing data
<input checked="" type="checkbox"/>					Consistently reported quantities among abstract, text, tables and graphs
<input checked="" type="checkbox"/>					Data reported in the study sufficiently detailed and complete to make the assessment required (e.g., human health effects; results

					from animal testing; ecological impact; occurrence, persistence, and interaction in the atmosphere or other media)
<input checked="" type="checkbox"/>					Adequacy of discussion of results, alternative hypotheses, and confounding factors
<input checked="" type="checkbox"/>					Study conducted at a credible facility, published in a credible peer-reviewed source, subjected to internal peer-review if not published.
			<input checked="" type="checkbox"/>		Other:

Please include a brief comment on less than acceptable ratings; attach additional pages(s) as needed: The study is published in a Royal Society Journal which is a high integrity scientific journal that performs a blind peer review on all submissions. The Journal has an impact factor of 4.7 which is very good and the researchers made the data and results publicly available.

4. If the study uses any data from sources outside of the study, what does the study offer in terms of an assessment of the quality of these data? State any professional opinions one may have about the data in question.

The study relied on its own samples and analysis to generate the data. The restored experimental reefs in this study have also been studied as part of other published studies. Fodrie *et al.* 2017 cites these other papers that report the findings of different investigations using the constructed reefs:

Grabowski, J.H., A.R. Hughes, D.L. Kimbro, and M.A. Dolan. 2005. How Habitat Setting Influences Restored Oyster Reef Communities. *Ecology*, 86(7), 2005, pp. 1926–1935.

Rodriguez, A.B., F.J. Fodrie, J.T. Ridge, N.L. Lindquist, E.J. Theuerkauf, S.E. Coleman, J. H. Grabowski, M/C/ Brodeur, R.K. Gittman, D.A. Keller, and M.D. Kenworthy. 2014. Oyster reefs can outpace sea-level rise. *Nature Climate Change*. Vol 4. DOI: 10.1038/NCLIMATE2216

3.2 Key Study 2: Higgins *et al.* 2011

1. Basic Information

- Study Identifier(s): Jeff Pinsky
- Author(s): Colleen B. Higgins, Kurt Stephenson, and Bonnie L. Brown
- Author Affiliations (if known): C.B. Higgins, Integrative Life Sciences, Virginia Commonwealth Univ., 1000 W. Cary St., Richmond, VA 23284; K. Stephenson, Dep. of Agricultural and Applied Economics, Virginia Polytechnic Institute and State Univ., 208 Hutcheson Hall, Blacksburg, VA 24061; B.L. Brown, Dep. of Biology, Virginia Commonwealth Univ., 1000 W. Cary St., Richmond, VA 23284. Assigned to Associate Editor Peter Kleinman.
- Title: Nutrient bioassimilation capacity of aqua cultured oysters: quantification of an ecosystem service.
- Citation: Higgins CB, K. Stephenson, and B.L. Brown. 2011. Nutrient bioassimilation capacity of aqua cultured oysters: quantification of an ecosystem service. *J. Environ. Qual.* 40, 271–277. (doi:10.2134/jeq2010.0203).
- Storage Location: Jack K. Williams Library, Texas A&M University at Galveston, 1001 Texas Clipper Road, Galveston, TX 77554. Available for free online download at <https://www.proquest.com/openview/2e4a2e0a3186d5c6080b7c19d4ef2fff/1?pq-origsite=gscholar&cbl=32284>.

2. Why is this a key study compared to other studies reviewed for this particular project?

- Study is an example of new research
- Study confirms previous study
- Study replaces weaker previous study
- best or only available study
- other: Higgins *et al.* (2011) performed experiments controlling for oyster density by attaching oysters to floating rafts. They found that at a density of 286 oysters per m², harvest size nutrient removal rates can be as high as 10,934 kg total carbon (TC) ha⁻¹ for 76-mm oysters. This figure is used as a reference for the model to check for consistency between different experimental procedures. Also, Higgins *et al.* (2011) specifically investigates commercial harvest and advocates for including carbon in oyster shell as part of the sequestration value.

3. The different aspects of a study listed below are important to consider in an evaluation of the quality of a key study. In your evaluation of the quality of a key study identified above, check the box that best describes the degree to which the key study addresses these aspects, i.e., as Acceptable (Accept.), Marginal (Marg.), or Unacceptable (Unaccept.); if the aspect is not applicable to the study, check (N/A); or if there is insufficient information available in the study report to evaluate the aspect, check Indeterminate (Indeter.).

Accept.	Marg.	Unaccept	N/A	Indeter.	
<input checked="" type="checkbox"/>					Clearly stated hypotheses with null and alternate indicated
<input checked="" type="checkbox"/>					Overall design of the study
<input checked="" type="checkbox"/>					Appropriateness of statistical methods used and reporting of results
<input checked="" type="checkbox"/>					Specification of the units of analysis
<input checked="" type="checkbox"/>					Identification and explanation of missing data
<input checked="" type="checkbox"/>					Consistently reported quantities among abstract, text, tables and graphs
<input checked="" type="checkbox"/>					Data reported in the study sufficiently detailed and complete to make the assessment required (e.g., human health effects; results from animal testing; ecological impact; occurrence, persistence, and interaction in the atmosphere or other media)
<input checked="" type="checkbox"/>					Adequacy of discussion of results, alternative hypotheses, and confounding factors
<input checked="" type="checkbox"/>					Study conducted at a credible facility, published in a credible peer-reviewed source, subjected to internal peer-review if not published.
			<input checked="" type="checkbox"/>		Other:

Please include a brief comment on less than acceptable ratings; attach additional pages(s) as needed:

4. If the study uses any data from sources outside of the study, what does the study offer in terms of an assessment of the quality of these data? State any professional opinions one may have about the data in question.

The study is published in Journal of Environmental Quality, a high integrity scientific journal that performs a blind peer review on all submissions.

3.3 Key Study 3: Veenstra *et al.* 2021

1. Basic Information

- Study Identifier(s): Jeff Pinsky
- Author(s): Jessica Veenstra¹, Melissa Southwell¹, Nikki Dix², Pamela Marcum², Jillian Jackson¹, Cody Burns¹, Colin Herbert¹, and Aubrey Kemper¹.
- Author Affiliations (if known): 1. Flagler College Department of Natural Sciences, 74 King St., St. Augustine, FL 32084, USA. 2. Guana Tolomato Matanzas National Estuarine Research Reserve, 505 Guana River Road, Ponte Vedra Beach, St. Augustine, FL 32082, USA
- Title: High carbon accumulation rates in sediment adjacent to constructed oyster reefs, Northeast Florida, USA.
- Citation: Veenstra, J., M. Southwell, N. Dix, P. Marcum, J. Jackson, C. Burns, C. Herbert, and A. Kemper. 2021. High carbon accumulation rates in sediment adjacent to constructed oyster reefs, Northeast Florida, USA. *Journal of Coastal Conservation*. Vol 25: 40. <https://doi.org/10.1007/s11852-021-00829-0>.
- Storage Location: Jack K. Williams Library, Texas A&M University at Galveston, 1001 Texas Clipper Road, Galveston, TX 77554. Available for free online download from Springer Nature:
https://www.researchgate.net/publication/352770469_High_carbon_accumulation_rates_in_sediment_adjacent_to_constructed_oyster_reefs_Northeast_Florida_USA/link/60d8090c458515d6f6be024a1/download

2. Why is this a key study compared to other studies reviewed for this particular project?

- Study is an example of new research
- Study confirms previous study
- Study replaces weaker previous study
- best or only available study
- other: The procedures used by Veenstra *et al.* (2021) were complimentary to and expanded the work done by Fodrie *et al.* (2017). Veenstra *et al.* (2021) sampled carbon levels from sediments, and used Fodrie *et al.*'s (2017) model to calculate net carbon storage. They also measured the carbon accumulation rates in sediments adjacent and near experimentally constructed reefs. These findings were applied to the buffer zone (areas extending from the restored reef feature that are still within the commercial lease) calculations. Veenstra *et al.* (2021) shows a value of 600-700 gC/m²/yr, measured an area near Reef 4. This value was used as a reference for the model to check for consistency between experimenters, locations, and procedures. Veenstra *et al.* (2021) also measured the influence of restored oyster reefs on sediment deposition rates and found that deposition rates increased in proximity to restored reefs.

3. The different aspects of a study listed below are important to consider in an evaluation of the quality of a key study. In your evaluation of the quality of a key study identified above, check the box that best describes the degree to which the key study addresses these aspects, i.e., as Acceptable (Accept.), Marginal (Marg.), or Unacceptable (Unaccept.); if the aspect is not applicable to the study, check (N/A); or if there is insufficient information available in the study report to evaluate the aspect, check Indeterminate (Indeter.).

Accept.	Marg.	Unaccept	N/A	Indeter.	
<input checked="" type="checkbox"/>					Clearly stated hypotheses with null and alternate indicated
<input checked="" type="checkbox"/>					Overall design of the study
<input checked="" type="checkbox"/>					Appropriateness of statistical methods used and reporting of results
<input checked="" type="checkbox"/>					Specification of the units of analysis
<input checked="" type="checkbox"/>					Identification and explanation of missing data
<input checked="" type="checkbox"/>					Consistently reported quantities among abstract, text, tables and graphs
<input checked="" type="checkbox"/>					Data reported in the study sufficiently detailed and complete to make the assessment required (e.g., human health effects; results from animal testing; ecological impact; occurrence, persistence, and interaction in the atmosphere or other media)
<input checked="" type="checkbox"/>					Adequacy of discussion of results, alternative hypotheses, and confounding factors
<input checked="" type="checkbox"/>					Study conducted at a credible facility, published in a credible peer-reviewed source, subjected to internal peer-review if not published.
			<input checked="" type="checkbox"/>		Other:

Please include a brief comment on less than acceptable ratings; attach additional pages(s) as needed: All ratings are *Accept.*

4. If the study uses any data from sources outside of the study, what does the study offer in terms of an assessment of the quality of these data? State any professional opinions one may have about the data in question. Veenstra *et al.* 2021 relies on their own data for the study.

3.4 Key Study 4: Volaric *et al.* 2020

1. Basic Information
 - Study Identifier(s): Jeff Pinsky
 - Author(s): Martin P. Volaric, Peter Berg, and Matthew A. Reidenbach
 - Author Affiliations (if known): All authors list their affiliation with Department of Environmental Sciences, University of Virginia, Charlottesville, VA 22904, USA.
 - Title: Drivers of Oyster Reef Ecosystem Metabolism Measured Across Multiple Timescales.
 - Citation: Volaric, M.P., P. Berg, and M.A. Reidenbach. 2020. Drivers of Oyster Reef Ecosystem Metabolism Measured Across Multiple Timescales. *Estuaries and Coasts* 43:2034-2045.
 - Storage Location: Jack K. Williams Library, Texas A&M University at Galveston, 1001 Texas Clipper Road, Galveston, TX 77554. Available for download from Springer Link at: <https://link.springer.com/article/10.1007/s12237-020-00745-w>

2. Why is this a key study compared to other studies reviewed for this particular project?
 - Study is an example of new research
 - Study confirms previous study
 - Study replaces weaker previous study
 - best or only available study
 - other: Volaric *et al.* 2020 used the data to calculate average annual net ecosystem metabolism (NEM) resulting from oyster reef restoration, which is used in mass balance to account for respiration. Volaric *et al.* 2020 reported that oyster reefs NEM, or the balance between respiration and primary production was -68 mmol/m²/day in the summer and -11 mmolm⁻²day⁻¹ in the winter (Volaric *et al.* 2020).

3. The different aspects of a study listed below are important to consider in an evaluation of the quality of a key study. In your evaluation of the quality of a key study identified above, check the box that best describes the degree to which the key study addresses these aspects, i.e., as Acceptable (Accept.), Marginal (Marg.), or Unacceptable (Unaccept.); if the aspect is not applicable to the study, check (N/A); or if there is insufficient information available in the study report to evaluate the aspect, check Indeterminate (Indeter.).

Table is on the next page.

Accept.	Marg.	Unaccept	N/A	Indeter.	
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<input checked="" type="checkbox"/>					Clearly stated hypotheses with null and alternate indicated
<input checked="" type="checkbox"/>					Overall design of the study
<input checked="" type="checkbox"/>					Appropriateness of statistical methods used and reporting of results
<input checked="" type="checkbox"/>					Specification of the units of analysis
<input checked="" type="checkbox"/>					Identification and explanation of missing data
<input checked="" type="checkbox"/>					Consistently reported quantities among abstract, text, tables and graphs
<input checked="" type="checkbox"/>					Data reported in the study sufficiently detailed and complete to make the assessment required (e.g., human health effects; results from animal testing; ecological impact; occurrence, persistence, and interaction in the atmosphere or other media)
<input checked="" type="checkbox"/>					Adequacy of discussion of results, alternative hypotheses, and confounding factors
<input checked="" type="checkbox"/>					Study conducted at a credible facility, published in a credible peer-reviewed source, subjected to internal peer-review if not published.
<input checked="" type="checkbox"/>					Other:

Please include a brief comment on less than acceptable ratings; attach additional pages(s) as needed: All ratings are *Accept*.

4. If the study uses any data from sources outside of the study, what does the study offer in terms of an assessment of the quality of these data? State any professional opinions one may have about the data in question.

Volaric *et al.* 2020 combined their results with the data taken by the same researchers at the same site to establish a 4-year record of oyster reef oxygen fluxes. The results of the earlier study were also published by a high integrity peer reviewed journal: Volaric, M.P., P. Berg, and M.A. Reidenbach. 2018. Oxygen metabolism of intertidal oyster reefs measured by aquatic eddy covariance. *Marine Ecology Progress Series* 599: 75–91. <https://doi.org/10.3354/meps12627>.

3.5 Key Study 5: Marenghi *et al.* 2017

1. Basic Information

- Study Identifier(s): Jeff Pinsky
- Author(s): Frank Marenghia¹, Kathryn Ashton-Alcox², Richard Wong³, Bellamy Reynolds¹, and Gulnihal Ozbay¹
- Author Affiliations (if known): 1. Delaware State University, 1200 North DuPont Highway, Dover, DE 19901, USA. 2. b Haskin Shellfish Research Laboratory, Rutgers University, 6959 Miller Avenue, Port Norris, NJ 08349, USA. 3. Delaware Division of Fish and Wildlife, 3002 Bayside Dr., Dover, DE 19901, USA.
- Title: Dredge efficiency on natural oyster grounds in Delaware Bay and its application in monitoring the Eastern oyster (*Crassostrea virginica*) stock in Delaware, USA.
- Citation: Marenghia F., K. Ashton-Alcox, R. Wong, B. Reynolds, and G. Ozbay. 2017. Dredge efficiency on natural oyster grounds in Delaware Bay and its application in monitoring the Eastern oyster (*Crassostrea virginica*) stock in Delaware, USA. *Fisheries Research* 186 (2017) 292–300.
- Storage Location: Jack K. Williams Library, Texas A&M University at Galveston, 1001 Texas Clipper Road, Galveston, TX 77554. Available for download from ScienceDirect at: <https://www.sciencedirect.com/science/article/abs/pii/S0165783616303356>

2. Why is this a key study compared to other studies reviewed for this particular project?

- Study is an example of new research
- Study confirms previous study
- Study replaces weaker previous study
- best or only available study
- other: Marenghi *et al.* 2017 conducted an oyster dredge efficiency study to compare the oyster catch rates from state Department of Natural Resources survey dredge gear to adjacent diver-collected samples. Marenghi *et al.* 2017 reported an all-bed mean dredge efficiency of 13.8%. They also found that on average, across all the beds, oysters >75mm made up approximately 14.9% of the total oysters (all age/size classes). This study expanded on and updated the work done by a previous study done by Powell *et al.* (2007). Marenghi *et al.*'s (2017) finding were very similar to those of Powell *et al.* (2007). Marenghi *et al.* 2017 had samples from two separate years and used GPS to determine tow distance, providing additional assurance of precision.

3. The different aspects of a study listed below are important to consider in an evaluation of the quality of a key study. In your evaluation of the quality of a key study identified above, check the box that best describes the degree to which the key study addresses these aspects, i.e., as Acceptable (Accept.), Marginal (Marg.), or Unacceptable (Unaccept.); if the aspect is not applicable to the study, check (N/A); or if there is

insufficient information available in the study report to evaluate the aspect, check Indeterminate (Indeter.).

Table is on the next page.

Accept.	Marg.	Unaccept	N/A	Indeter.	
<input checked="" type="checkbox"/>					Clearly stated hypotheses with null and alternate indicated
<input checked="" type="checkbox"/>					Overall design of the study
<input checked="" type="checkbox"/>					Appropriateness of statistical methods used and reporting of results
<input checked="" type="checkbox"/>					Specification of the units of analysis
<input checked="" type="checkbox"/>					Identification and explanation of missing data
<input checked="" type="checkbox"/>					Consistently reported quantities among abstract, text, tables and graphs
<input checked="" type="checkbox"/>					Data reported in the study sufficiently detailed and complete to make the assessment required (e.g., human health effects; results from animal testing; ecological impact; occurrence, persistence, and interaction in the atmosphere or other media)
<input checked="" type="checkbox"/>					Adequacy of discussion of results, alternative hypotheses, and confounding factors
<input checked="" type="checkbox"/>					Study conducted at a credible facility, published in a credible peer-reviewed source, subjected to internal peer-review if not published.
<input checked="" type="checkbox"/>					Other:

Please include a brief comment on less than acceptable ratings; attach additional pages(s) as needed: All ratings are *Accept*.

4. If the study uses any data from sources outside of the study, what does the study offer in terms of an assessment of the quality of these data? State any professional opinions one may have about the data in question.

Marenghi *et al.*'s (2017) processed their own data.

3.6 Key Study 6: Lockwood and Mann 2019

1. Basic Information

- Study Identifier(s): Jeff Pinsky
- Author(s): Rowan Lockwood¹ and Roger Mann²
- Author Affiliations (if known): 1. Department of Geology, William and Mary, PO Box 8795, Williamsburg, VA 23187, USA. 2. Virginia Institute of Marine Science, William and Mary, Route 1208 Greate Road, Gloucester Point, VA 23062-1346, USA
- Title: A conservation palaeobiological perspective on Chesapeake Bay oysters
- Citation: Lockwood R. and R. Mann. 2019. A conservation palaeobiological perspective on Chesapeake Bay oysters. *Phil. Trans. R. Soc. B* 374.
<http://dx.doi.org/10.1098/rstb.2019.0209>
- Storage Location: Jack K. Williams Library, Texas A&M University at Galveston, 1001 Texas Clipper Road, Galveston, TX 77554. Available for free download at:
<https://royalsocietypublishing.org/doi/pdf/10.1098/rstb.2019.0209>

2. Why is this a key study compared to other studies reviewed for this particular project?

- Study is an example of new research
- Study confirms previous study
- Study replaces weaker previous study
- best or only available study
- other: Lookwood and Mann assert that the oyster fossil record can be used to demonstrate the role ancient oysters had with regards to water filtration and carbon cycling. This further confirms, Fodrie *et al.*'s (2017) findings that, restored reefs securely store carbon for long periods of time (250 to 4000 years).

3. The different aspects of a study listed below are important to consider in an evaluation of the quality of a key study. In your evaluation of the quality of a key study identified above, check the box that best describes the degree to which the key study addresses these aspects, i.e., as Acceptable (Accept.), Marginal (Marg.), or Unacceptable (Unaccept.); if the aspect is not applicable to the study, check (N/A); or if there is insufficient information available in the study report to evaluate the aspect, check Indeterminate (Indeter.).

Accept.	Marg.	Unaccept	N/A	Indeter.	
<input checked="" type="checkbox"/>					Clearly stated hypotheses with null and alternate indicated
<input checked="" type="checkbox"/>					Overall design of the study
<input checked="" type="checkbox"/>					Appropriateness of statistical methods used and reporting of results
<input checked="" type="checkbox"/>					Specification of the units of analysis
<input checked="" type="checkbox"/>					Identification and explanation of missing data
<input checked="" type="checkbox"/>					Consistently reported quantities among abstract, text, tables and graphs
<input checked="" type="checkbox"/>					Data reported in the study sufficiently detailed and complete to make the assessment required (e.g., human health effects; results from animal testing; ecological impact; occurrence, persistence, and interaction in the atmosphere or other media)
<input checked="" type="checkbox"/>					Adequacy of discussion of results, alternative hypotheses, and confounding factors
<input checked="" type="checkbox"/>					Study conducted at a credible facility, published in a credible peer-reviewed source, subjected to internal peer-review if not published.
<input checked="" type="checkbox"/>					Other:

Please include a brief comment on less than acceptable ratings; attach additional page(s) as needed: All ratings are *Accept*.

4. If the study uses any data from sources outside of the study, what does the study offer in terms of an assessment of the quality of these data? State any professional opinions one may have about the data in question.

Lookwood and Mann (2019) determined modern oyster population densities using the Virginia Oyster Stock Assessment and Replenishment Archive (VOSARA). VOSARA provides access to annual survey data taken by the DNR and researchers from the William and Mary, Virginia Marine Science Institute (<https://cmap22.vims.edu/VOSARA/>). The quality of the data on VOSARA is very high, there are no questions regarding the data.

3.7 Key Study 7: Cannon *et al.* 2022

1. Basic Information

- Study Identifier(s): Jeff Pinsky
- Author(s): David Cannon¹, Kelly Kibler¹, Linda Walters², Lisa Chambers²
- Author Affiliations (if known): 1. Department of Civil, Environmental, and Construction Engineering and National Center for Integrated Coastal Research, University of Central Florida, Orlando, FL 32816, USA. 2. Department of Biology and National Center for Integrated Coastal Research, University of Central Florida, Orlando, FL 32816, USA.
- Title: Hydrodynamic and biogeochemical evolution of a restored intertidal oyster (*Crassostrea virginica*) reef
- Citation: Cannon, D., K. Kibler, L. Walters, L. Chambers. 2022. Hydrodynamic and biogeochemical evolution of a restored intertidal oyster (*Crassostrea virginica*) reef. *Science of the Total Environment* 831 (2022) 154879
- Storage Location: Publicly available for download at:
<https://sciences.ucf.edu/biology/abl/publications/>

2. Why is this a key study compared to other studies reviewed for this particular project?

Study is an example of new research

Study confirms previous study

Study replaces weaker previous study

best or only available study

other: Cannon *et al.* (2022) expand on Fodrie *et al.*'s (2017) procedures by investigating the hydrodynamics in addition to the sediment biogeochemistry. They found that sediment accretion rates increased for the restored reef over the course of the study, suggesting that the oyster canopy retained sediments through deposition of oyster biodeposits and by promoting deposition of suspended sediments as flows were attenuated within the canopy. They also confirmed, increases in sediment nut and organic carbon levels were linked to increases in oyster density resulting from the restoration.

3. The different aspects of a study listed below are important to consider in an evaluation of the quality of a key study. In your evaluation of the quality of a key study identified above, check the box that best describes the degree to which the key study addresses these aspects, i.e., as Acceptable (Accept.), Marginal (Marg.), or Unacceptable (Unaccept.); if the aspect is not applicable to the study, check (N/A); or if there is insufficient information available in the study report to evaluate the aspect, check Indeterminate (Indeter.).

Accept.	Marg.	Unaccept	N/A	Indeter.	
<input checked="" type="checkbox"/>					Clearly stated hypotheses with null and alternate indicated
<input checked="" type="checkbox"/>					Overall design of the study
<input checked="" type="checkbox"/>					Appropriateness of statistical methods used and reporting of results
<input checked="" type="checkbox"/>					Specification of the units of analysis
<input checked="" type="checkbox"/>					Identification and explanation of missing data
<input checked="" type="checkbox"/>					Consistently reported quantities among abstract, text, tables and graphs
<input checked="" type="checkbox"/>					Data reported in the study sufficiently detailed and complete to make the assessment required (e.g., human health effects; results from animal testing; ecological impact; occurrence, persistence, and interaction in the atmosphere or other media)
<input checked="" type="checkbox"/>					Adequacy of discussion of results, alternative hypotheses, and confounding factors
<input checked="" type="checkbox"/>					Study conducted at a credible facility, published in a credible peer-reviewed source, subjected to internal peer-review if not published.
<input checked="" type="checkbox"/>					Other:

Please include a brief comment on less than acceptable ratings; attach additional page(s) as needed: All ratings are "Accept."

4. If the study uses any data from sources outside of the study, what does the study offer in terms of an assessment of the quality of these data? State any professional opinions one may have about the data in question.

Cannon *et al.* (2022) did not use outside data.

3.8 Key Study 8: Chambers *et al.* 2018

1. Basic Information

- Study Identifier(s): Jeff Pinsky
- Author(s): Lisa G. Chambers¹, Stephanie A. Gaspar¹, Christian J. Pilato², Havalend E. Steinmuller¹, Kevin J. McCarthy¹, Paul E. Sacks^{2,3}, and Linda J. Walters²
- Author Affiliations (if known): 1. Aquatic Biogeochemistry Lab, Department of Biology, University of Central Florida, 4000 Central Florida Blvd., Bldg. 20, BIO 301, Orlando, FL 32816, USA. 2. Coastal and Estuarine Ecology Lab, Department of Biology, University of Central Florida, 4000 Central Florida Blvd., Bldg. 20, BIO 301, Orlando, FL 32816, USA. 3. Winter Springs High School, 130 Tuskawilla Road, Winter Springs, FL 32708, USA.
- Title: How Well Do Restored Intertidal Oyster Reefs Support Key Biogeochemical Properties in a Coastal Lagoon?
- Citation: Chambers, L. G., S. A. Gaspar, C. J. Pilato, H. E. Steinmuller, K. J. McCarthy, P. E. Sacks, and L. J. Walters. 2018. How well do restored intertidal oyster reefs support key biogeochemical properties in a Coastal Lagoon? *Estuaries and Coasts* 41: 784–799. doi:10.1007/s12237-017-0311-5.
- Storage Location: Publicly available for download at:
<https://sciences.ucf.edu/biology/abl/publications/>

2. Why is this a key study compared to other studies reviewed for this particular project?

- Study is an example of new research
- Study confirms previous study
- Study replaces weaker previous study
- best or only available study
- other: This study investigated biogeochemical properties in the sediments of dead reefs; 1-, 4-, and 7-year-old restored reefs; and natural reference reefs of the eastern oyster, *Crassostrea virginica*, in Mosquito Lagoon (FL, USA). This study demonstrates the role of live intertidal oyster reefs as biogeochemical hot spots for nutrient cycling and burial and the rapidity (within 1 year) with which biogeochemical properties can be reestablished following successful restoration.

3. The different aspects of a study listed below are important to consider in an evaluation of the quality of a key study. In your evaluation of the quality of a key study identified above, check the box that best describes the degree to which the key study addresses these aspects, i.e., as Acceptable (Accept.), Marginal (Marg.), or Unacceptable (Unaccept.); if the aspect is not applicable to the study, check (N/A); or if there is

insufficient information available in the study report to evaluate the aspect, check Indeterminate (Indeter.).

Accept.	Marg.	Unaccept	N/A	Indeter.	
<input checked="" type="checkbox"/>					Clearly stated hypotheses with null and alternate indicated
<input checked="" type="checkbox"/>					Overall design of the study
<input checked="" type="checkbox"/>					Appropriateness of statistical methods used and reporting of results
<input checked="" type="checkbox"/>					Specification of the units of analysis
<input checked="" type="checkbox"/>					Identification and explanation of missing data
<input checked="" type="checkbox"/>					Consistently reported quantities among abstract, text, tables and graphs
<input checked="" type="checkbox"/>					Data reported in the study sufficiently detailed and complete to make the assessment required (e.g., human health effects; results from animal testing; ecological impact; occurrence, persistence, and interaction in the atmosphere or other media)
<input checked="" type="checkbox"/>					Adequacy of discussion of results, alternative hypotheses, and confounding factors
<input checked="" type="checkbox"/>					Study conducted at a credible facility, published in a credible peer-reviewed source, subjected to internal peer-review if not published.
<input checked="" type="checkbox"/>					Other:

Please include a brief comment on less than acceptable ratings; attach additional pages(s) as needed: All ratings are "Accept."

4. If the study uses any data from sources outside of the study, what does the study offer in terms of an assessment of the quality of these data? State any professional opinions one may have about the data in question.

Chambers *et al.* (2018) did not use outside data.

3.9 Key Study 9: Locher *et al.* 2018

5. Basic Information

- Study Identifier(s): Jeff Pinsky
- Author(s): Bryan Locher¹, Nia R. Hurst^{1,2}, Linda J. Walters³, and Lisa G. Chambers¹
- Author Affiliations (if known): 1. Aquatic Biogeochemistry Lab, Department of Biology, University of Central Florida, 4000 Central Florida Blvd., Bldg. 20, BIO 301, Orlando, FL 32816, USA. 2. Engineer Research and Development Center, US Army Corps of Engineers, Vicksburg, MS, USA. 3. Coastal and Estuarine Ecology Lab, Department of Biology, University of Central Florida, 4000 Central Florida Blvd., Bldg. 20, BIO 301, Orlando, FL 32816, USA.
- Title: Juvenile Oyster (*Crassostrea virginica*) Biodeposits Contribute to a Rapid Rise in Sediment Nutrients on Restored Intertidal Oyster Reefs (Mosquito Lagoon, FL, USA)
- Citation: Locher, B, N.R. Hurst, L.J. Walters, and L.G. Chambers. 2021. Juvenile Oyster (*Crassostrea virginica*) Biodeposits Contribute to a Rapid Rise in Sediment Nutrients on Restored Intertidal Oyster Reefs (Mosquito Lagoon, FL, USA). *Estuaries and Coasts* 44:1363–1379.
- Storage Location: Publicly available for download at:
<https://sciences.ucf.edu/biology/abl/publications/>

6. Why is this a key study compared to other studies reviewed for this particular project?

- Study is an example of new research
- Study confirms previous study
- Study replaces weaker previous study
- best or only available study
- other: This study investigated biogeochemical properties in the sediments of restored reefs and found a 75% increase in organic carbon concentrations 12 months post-restoration and those increases were positively correlated with oyster density, shell length, and reef height. These findings further corroborate the results seen in the Fodrie *et al.* 2017 study. Notably, this study was able to show that young (<20 mm) oysters contribute to increased organic and inorganic carbon sediment pools. Other studies (e.g. Higgins *et al.* 2011 and Fodrie *et al.* 2017) focus on the contributions from the larger class oysters.

7. The different aspects of a study listed below are important to consider in an evaluation of the quality of a key study. In your evaluation of the quality of a key study identified above, check the box that best describes the degree to which the key study addresses these aspects, i.e., as Acceptable (Accept.), Marginal (Marg.), or Unacceptable (Unaccept.); if the aspect is not applicable to the study, check (N/A); or if there is insufficient information available in the study report to evaluate the aspect, check Indeterminate (Indeter.).

Accept.	Marg.	Unaccept	N/A	Indeter.	
<input checked="" type="checkbox"/>					Clearly stated hypotheses with null and alternate indicated
<input checked="" type="checkbox"/>					Overall design of the study
<input checked="" type="checkbox"/>					Appropriateness of statistical methods used and reporting of results
<input checked="" type="checkbox"/>					Specification of the units of analysis
<input checked="" type="checkbox"/>					Identification and explanation of missing data
<input checked="" type="checkbox"/>					Consistently reported quantities among abstract, text, tables and graphs
<input checked="" type="checkbox"/>					Data reported in the study sufficiently detailed and complete to make the assessment required (e.g., human health effects; results from animal testing; ecological impact; occurrence, persistence, and interaction in the atmosphere or other media)
<input checked="" type="checkbox"/>					Adequacy of discussion of results, alternative hypotheses, and confounding factors
<input checked="" type="checkbox"/>					Study conducted at a credible facility, published in a credible peer-reviewed source, subjected to internal peer-review if not published.
<input checked="" type="checkbox"/>					Other:

Please include a brief comment on less than acceptable ratings; attach additional page(s) as needed: All ratings are "Accept."

8. If the study uses any data from sources outside of the study, what does the study offer in terms of an assessment of the quality of these data? State any professional opinions one may have about the data in question.

Locher *et al.* (2021) did not use outside data.

3.10 Key Study 10: Hurst *et al.* 2022

1. Basic Information

- Study Identifier(s): Jeff Pinsky
- Author(s): Nia R. Hurst^{1,2}, Bryan Locher¹, Havalend E. Steinmuller^{1,3}, Linda J. Walters¹, and Lisa G. Chambers¹
- Author Affiliations (if known): 1. Aquatic Biogeochemistry Lab, Department of Biology, University of Central Florida, 4000 Central Florida Blvd., Bldg. 20, BIO 301, Orlando, FL 32816, USA. 2. Engineer Research and Development Center, US Army Corps of Engineers, Vicksburg, MS, USA. 3. Coastal and Estuarine Ecology Lab, Department of Biology, University of Central Florida, 4000 Central Florida Blvd., Bldg. 20, BIO 301, Orlando, FL 32816, USA.
- Title: Organic carbon dynamics and microbial community response to oyster reef restoration
- Citation: Hurst, N.R., Locher, B., Steinmuller, H.E., Walters, L.J. and Chambers, L.G. (2022), Organic carbon dynamics and microbial community response to oyster reef restoration. *Limnol Oceanogr*, 67: 1157-1168.
- Storage Location: Publicly available for download at: <https://sciences.ucf.edu/biology/abl/publications/>

2. Why is this a key study compared to other studies reviewed for this particular project?

- Study is an example of new research
- Study confirms previous study
- Study replaces weaker previous study
- best or only available study
- other: This study investigated biogeochemical properties in the sediments of restored reefs and found that organic carbon measured in the sediments of restored reefs were nearly double the increases observed on natural reefs during the same time. These findings support the contention that the management and annual placement of cultch material by commercial oyster fishermen (basically continual restoration) may support oyster densities above reefs outside of commercial leases which would lead to correspondingly higher levels of carbon capture and storage as well.

3. The different aspects of a study listed below are important to consider in an evaluation of the quality of a key study. In your evaluation of the quality of a key study identified above, check the box that best describes the degree to which the key study addresses these aspects, i.e., as Acceptable (Accept.), Marginal (Marg.), or Unacceptable (Unaccept.); if the aspect is not applicable to the study, check (N/A); or if there is insufficient information available in the study report to evaluate the aspect, check Indeterminate (Indeter.).

Accept.	Marg.	Unaccept	N/A	Indeter.	
<input checked="" type="checkbox"/>					Clearly stated hypotheses with null and alternate indicated
<input checked="" type="checkbox"/>					Overall design of the study
<input checked="" type="checkbox"/>					Appropriateness of statistical methods used and reporting of results
<input checked="" type="checkbox"/>					Specification of the units of analysis
<input checked="" type="checkbox"/>					Identification and explanation of missing data
<input checked="" type="checkbox"/>					Consistently reported quantities among abstract, text, tables and graphs
<input checked="" type="checkbox"/>					Data reported in the study sufficiently detailed and complete to make the assessment required (e.g., human health effects; results from animal testing; ecological impact; occurrence, persistence, and interaction in the atmosphere or other media)
<input checked="" type="checkbox"/>					Adequacy of discussion of results, alternative hypotheses, and confounding factors
<input checked="" type="checkbox"/>					Study conducted at a credible facility, published in a credible peer-reviewed source, subjected to internal peer-review if not published.
<input checked="" type="checkbox"/>					Other:

Please include a brief comment on less than acceptable ratings; attach additional page(s) as needed: All ratings are "Accept."

4. If the study uses any data from sources outside of the study, what does the study offer in terms of an assessment of the quality of these data? State any professional opinions one may have about the data in question.

Hurst *et al.* (2022) did not use outside data.

4.0 Literature Cited

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